



The

HEMIST AND DRUGGIST

RETAILER - WHOLESALE - MANUFACTURER

ed 1859

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AUGUST 5, 1944

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AT 1108.

— F. T.

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AH 1263.

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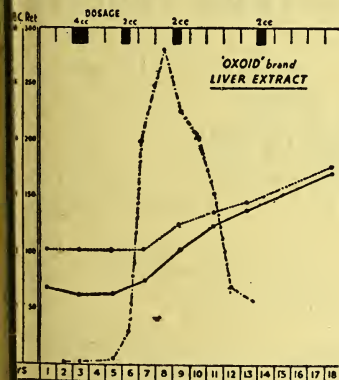
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Lancet 19.2.44, p. 264

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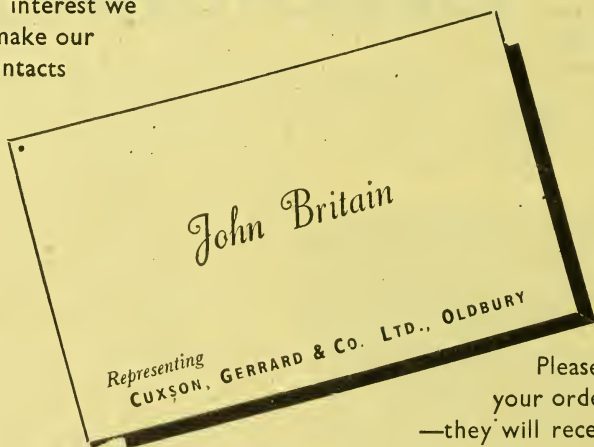
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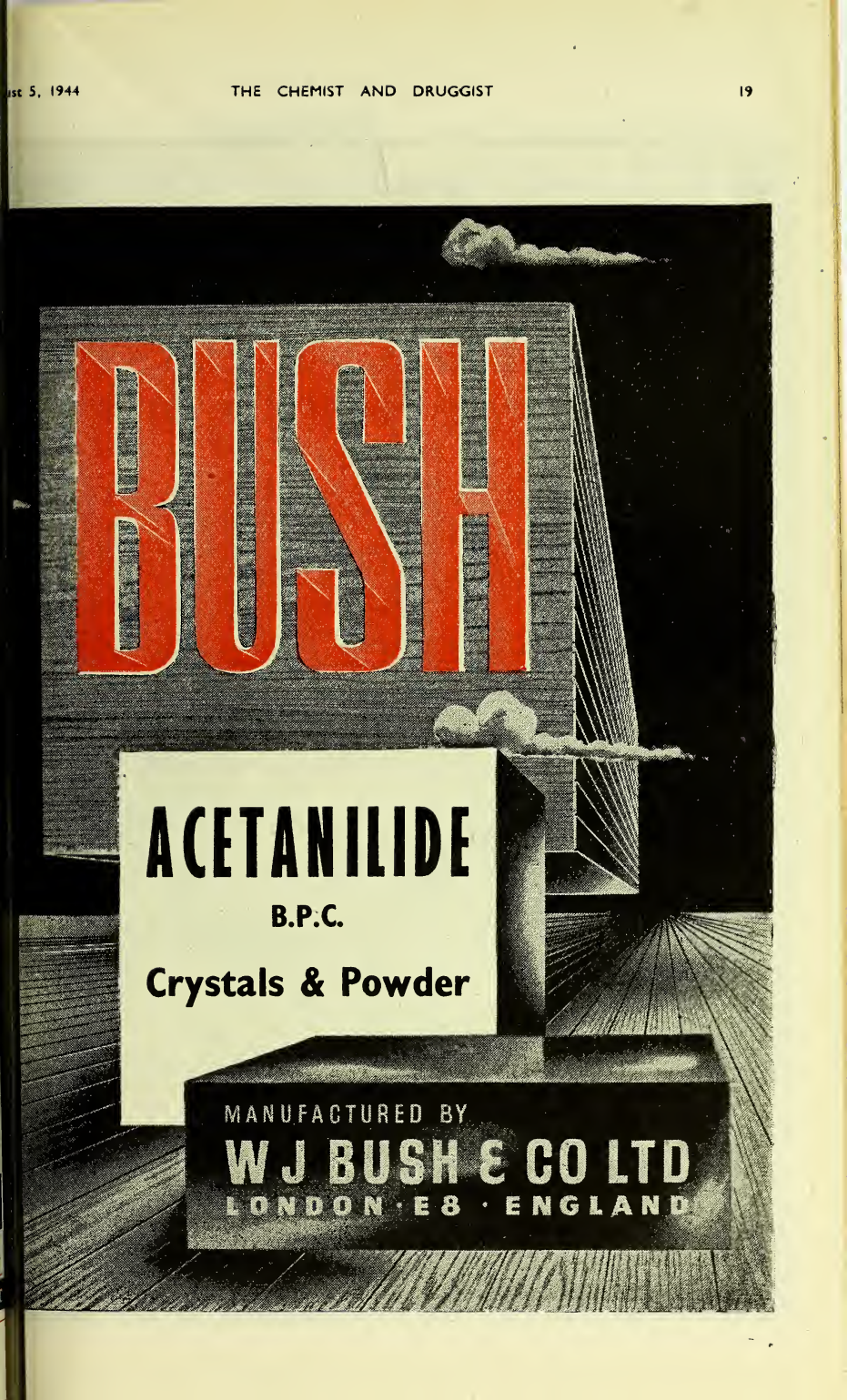
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NEWS OF THE WEEK

Export Licences.—The Board of Trade announces that applications for licences previously sent to the Export Licensing Department, Bank Buildings, Princes Street, London, E.C., should in future be sent to the Board House, King William Street, London, E.C.4. Arrangements have been made with the Customs under which any licences produced to them with a period of validity expiring in July and August 1944 will be regarded as automatically extended to August 31, 1944. Application for renewal of such licences is therefore unnecessary and should not be made.

Photographic Limitation Maintained.—The Board of Trade has announced the issue of a Limitation of Supplies (Miscellaneous) (No. 23) Order, 1944 (S. R. & O., No. 835a), which continues, during the restriction period, August 1, 1944, to January 31, 1945, the existing control of goods in classes of goods (including photographic). The quota for photographic goods remains at 12½ per cent., and the Order reserves persons who, on July 31, are

registered for goods controlled by the previous (No. 22) Order, to complete a form of return showing the value of such goods supplied by them during the standard period and during the restriction period, February 1, 1944, to July 31, 1944; and to return it before October 11 to the Assistant Chief Accountant, Board of Trade (Miscellaneous Section), North Gate, Prince Albert Road, London, N.W.8. A copy of the return is being sent to each person concerned, but any trader who has not received his copy by September 11 should make application for it.

International Rubber Discussions.—A recent announcement by the Foreign Office stated that the Governments of the United States and the Netherlands had accepted invitations to send officials to London to engage in exploratory talks as to the probable nature of the problems of crude and synthetic rubber with which the three governments might be confronted after the war, and to draft a tentative programme as a basis of possible further discussions.

Civilian Penicillin in Eire.—It is announced that a limited quantity of sodium penicillin is shortly to be released by the United States Government for civilian use in Eire.

Diabetic Billetees.—Diabetics living in safe areas are being asked by the Ministry of Health to offer billets to diabetic children and other fellow-sufferers eligible for evacuation from London and Southern England.

Health Plan in Wales.—The Health Committee of Wrexham Town Council recently adopted a resolution urging that the National Health Service in Wales and Monmouthshire should be modelled on that proposed for Scotland.

Eire Seaweed.—Attention focused in recent months on penicillin production has given a stimulus to the gathering, in the Dingle peninsula of co. Kerry, Eire, of seaweeds for the production of agar.

Manchester Golf.—The annual competition for the Robinson prizes (four-ball, Stableford system) was played at Withington golf course recently. The winners were C. Stevens and H. Hevers, 36 points; second, W. E. Phillpson and S. Bragg, 32.

Food Poisoning in Dublin.—An outbreak of food poisoning in Drimnagh, co. Dublin, recently, as a result of which seventeen persons were removed to hospital, was found to be of bacterial origin. The cases were successfully treated by administration of drugs of the sulphonamide group.

Merchant Navy Comforts Fund.—Members of the staff of the powder packeting department of Boots, Ltd., Nottingham, have sent a donation of £3 10s. to the Merchant Navy Comfort Service.—Mr. A. F. Gunning (managing director of Ponds Extract Co., Ltd.) has sent £20 to the Service on behalf of the company.

Red Cross Penny-a-Week Fund.—An announcement from the promoters of the Red Cross Penny-a-Week Fund states that Mr. R. N. Gardner, M.P.S., is giving the Fund all the proceeds from a weighing machine in his pharmacy. The total of the Fund for the whole country now stands at £12,000,000, of which more than £6,500,000 has been contributed, at their places of employment, by workers in some 45,000 industrial and commercial organisations.

Italian Prisoners at Drug Works.—It is reported in a London newspaper that twenty Italian prisoners of war have commenced work in the loading and unloading of medical supplies at the works of May &

Baker, Ltd., Dagenham. The Italians maintain their status as prisoners of war and wear the specially marked clothing issued. They are paid by the Government at trade union rates of wages, and the Government is reimbursed by the company.

Eire Examination Results.—The following candidates were successful in the Junior Licence examination held by the Pharmaceutical Society of Ireland: William Joseph Dalton (Gold Medal Honours); Mary Elizabeth Galvin, William Lynch, Gerard Berna McCauley, James Edward McCormack, Gerard Carthage Morrison, Edmond Power (all with Honours); Alphonsus Corle, Nicholas Francis Dillon, Dermot Joseph Duane, Patrick Francis Farrell, Michael Joseph Hogarty, Michael Kennedy, John McEvilly, Edmund Patrick Murphy, Edmond Bernard Maurice O'Connell, John Joseph Tierney.

Ulster Chemists' Golf.—The annual competition of the Ulster Chemists' Golf Association was held at Bangor Golf Club recently. Winners of the morning competition for prizes (savings certificates) presented by Thomas McMullan & Co., Ltd. were Messrs. H. H. Cowzer (Belfast) and W. R. McNabb, Lurgan (tie). The afternoon competition was won by Mr. S. Forrest, Bangor. At the business meeting held after lunch, Mr. F. D. McMullan (vice-president) was in the chair. The president (Sir Thomas W. McMullan), vice-president (Mr. F. D. McMullan), secretary (Mr. James McClenahan), and treasurer (Mr. J. R. Guiler) were re-elected. Messrs. W. McNabb, Lurgan, and C. A. Thompson, Lisburn, were elected to the committee to replace two retiring members. The other retiring members of the committee were re-elected. Votes of thanks were passed to Thomas McMullan & Co., Ltd., for presenting the prizes; to Bangor Golf Club for the use of the course and the excellent catering arrangements; and to Mr. F. McMullan (chairman of the meeting). The funds of Pollock Dock Canteen, Belfast, are to receive a contribution of £15 from the day's proceeds, including prizes generously donated by the winners, and the proceeds of an informal putting competition won by Mr. Hugh Marshall, jun., Belfast.

Statutory Committee Decisions.—The Statutory Committee of the Pharmaceutical Society concluded at Derby on July 25 disciplinary inquiries adjourned from a meeting in London in May. The person in the case had been convicted of stealing supplies.

money from a multiple company and from a private employer for whom, at different times, he had acted as manager. After his registration as a pharmacist lapsed because of non-payment of fees. The affected person, recently working as a night porter, said he had already been heavily punished and, declaring that he felt his disgrace very keenly, pleaded for leniency and a chance to start afresh. He had been financially unbalanced owing to a series of domestic troubles. He admitted that his position was largely due to his own foolishness. The chairman (Mr. G. R. Hill) pointed out that the committee had little, anything, to do with the question of the punishment meted out by a criminal court. They owed a debt to the public and the society to see that the conduct of registered pharmacists was such that confidence could be reposed in them as members of a respectable and honourable profession. Their finding was that his name should not be restored until, on another application, the committee so directed. The second case was that of a member of the society who had been sentenced to six months' imprisonment on pleading guilty to stealing £25 by means of a trick, two

other offences being taken into account by the court. He had earned a remission of part of the sentence. Medical reports from prison doctors stated that, suffering from feelings of inferiority, he had taken benzadrine, and this led him into a phase of extravagant conduct. His criminal responsibility rested in the same state as if he had been addicted to excessive drinking. He now realised the artificial results of the drug and could be trusted not to resort to drugs again, it was urged. The affected person told the committee that he was in a run-down condition owing to overwork, business worries and domestic trouble. He had taken the drug for two years, but would never make the same mistake again. He had at one time been a branch manager for Boots, Ltd., and later managed a branch of another business in which he invested £100. His name had been struck off the Register on account of non-payment of fees, and the Committee directed that it should not be restored until application had been made to them at the expiration of a period of twelve months, when they would have to be satisfied that in the interim he had been running straight and abstaining from the use of drugs.

PARLIAMENTARY NEWS

Overseas Trade.—Mr. Quintin Hogg asked the Secretary to the Overseas Trade Department on July 27 whether his department undertook market researches in the territories in which it was proposed to send overseas trade after the war. Mr. Courton Johnstone replied that the Department's overseas officers, wherever stationed, kept the Department fully informed of changes in market conditions. It was his intention to issue reports now being prepared with the co-operation of overseas officers dealing with (1) the general prospects for United Kingdom goods in particular markets; and (2) opportunities in particular export industries in all the more important markets. Mr. Denville asked if the Department had information as to the nature of business connexions existing pre-war, particularly for goods manufactured in this country. The reply was that the Department had a wide knowledge of the methods by which U.K. export interests arranged for the sale of their goods in overseas markets. It was the intention that contacts with distributors abroad should be even more closely developed in the future, and re-establishment of pre-war connexions with customers abroad could best be achieved by visits of repre-

sentatives of U.K. interests. Resumption of such visits would be encouraged and facilitated so soon as travel conditions permitted.

Taxation of Trading Expenses.—Sir James Mellor asked the Chancellor of the Exchequer recently whether premiums paid by a company to insure the life of a director or employee in the company's interest were now admitted by the Inland Revenue authorities as a trading expense. Sir John Anderson replied that treatment for taxation purposes would depend upon the facts of a particular case, and it rested with the assessing authorities and the Commissioners of Appeal, if necessary, to determine liability by reference to the facts. He was advised, however, that the general practice in dealing with insurance of employers on the lives of employees was now to treat the premiums as admissible deductions, and any sums received under a policy as trading receipts, if (1) the sole relationship was that of employer and employee; (2) the insurance was intended to meet loss of profit resulting from loss of services of the employee; and (3) it was an annual or short-term insurance. Instances of premiums paid by companies to insure the lives of directors were similarly dealt with.

LEGAL REPORTS

To Go for Trial.—Summoned at West London police court, on July 25, for alleged breaches of the Purchase Tax Order, Mrs. Violet Van Der Elst, described as being in control of the Shavex Zee-Kol Co., Ltd., elected to go for trial. There were five charges. They related to alleged making of false returns of purchase-tax payments, using a private order book which omitted mail-order sales liable to purchase tax; failing to register the Zee-Kol Almond Oil Shaving Soap Co. for purchase-tax purposes; and aiding and abetting Zee-Kol Almond Oil Laboratories, Ltd., in a similar offence. The Shavex Zee-Kol Co., Ltd., and Marion Davies (secretary of the company) were separately accused of making false purchase-tax returns and of using a false mail-order book.

Committed on Larceny Charge.—In Dublin district court recently, Peter Maginn, shopkeeper, Glandore Road, Dublin, was charged with having counselled and commanded two men named Samuel Jennings and Patrick Walsh to break into the pharmacy of Mr. Peter Slattery, Ph.C., 162 Parnell Street, and steal two Leica cameras, value £135; and further with having received the cameras, knowing them to have been stolen. Evidence was given that the cameras had been traced to Belfast, where they had been offered for sale in a shop owned by Maginn. Jennings stated in evidence that Maginn pointed out the cameras to himself and Walsh in Mr. Slattery's shop window, and said: "I would buy those from you." Subsequently they broke the shop window with a stone, stole the cameras, and sold them to Maginn for £35. Maginn was returned for trial.

Dublin Abortionist Sentenced.—At the Circuit Criminal Court, Dublin, recently, William H. Coleman, who described himself as an electro-therapist, Merrion Square, Dublin, was sentenced, after a trial lasting nine days, to fifteen years' penal servitude on a charge of procuring an abortion. It was stated that Coleman had a consulting room that was a "veritable Aladdin's cave." In it was an elaborate set of appliances and equipment. There was a microphone which enabled anyone in the consulting room to hear conversations in the waiting room. In the consulting room was a gynaecological chair of the type used by medical men. The room also contained a powerful electric lamp used for examination; a sterilising tank for instruments; a screen x-ray apparatus; and a second gynaecological chair. Off the con-

sulting room was a laboratory, on the shelves of which were medicines, pills and ointments, some of which were definitely associated with the treatment of women in connection with pregnancy. Prosecuting counsel quoted one of Coleman's advertisements, as follows: "Medical, nervous and sexual troubles." W. H. Coleman, 25 Merrion Square. P. 61658." A search of the premises, which lasted for several days, yielded 185 drugs and chemicals.

German "Research Chemist" Sentenced.—At Marlborough Street, London, police court, recently, Joachim Max Bern Gorden, described as a German research chemist, Langford Court, Abbey Road, John's Wood, was sentenced to twelve months' hard labour on a charge of obtaining by false pretences a sum of £70. Maurice Clements and Douglas Schierwald trading as Wizard Products, Ltd., 115 Strand, London, W., with intent to defraud, The allegation was that Gorden, an unqualified research chemist, had falsely presented that a plastic formula he had sold to Wizard Products, Ltd., was his own and had not been patented. In fact, he called upon Dr. Leader, secretary and adviser to Portland Plastics, Ltd., London, representing himself as a doctor and research chemist, and said he had invented a plastic of particular value to the company and was trying to find a company to exploit it. The company engaged him on a salary of £8 per week, rising to £80 per annum if he proved satisfactory after twelve months. He had failed to produce a sample of the thing and, being asked for a specimen of the work, advanced one which proved to have been taken from the company's own records. His engagement was promptly terminated, but before leaving he became indebted to Wizard Products, Ltd., to whom, after representing that he was the inventor of a new form of plastic skin, he sold the formula and produced a patent application which was alleged to be in all material respects the same as one below put forward to Dr. Leader. The defence was that the formula fell within the scope of the invention of Dr. Leader, and a claim of no fraud had been committed. No appeal was given.

Quicker Penicillin Production.—A method for production of penicillin by a Palestinian scientist, Dr. Baruch Levin, is stated to reduce the time needed in making penicillin from ten hours to one.

TOPICAL REFLECTIONS

essors to Dalton

comment in this section on the Nuffield report on problems of scientific industrial research must be reserved till conclusion of your editorial survey on p. 119 of last week's issue. Meanwhile a passage from an article on John Dalton in the "Manchester Guardian" of August 22, which has been sent to me by a zealous correspondent, introduces a new subject. Dalton (whose death in 1844 has been noticed in your columns) had, by correspondent remarks, a knowledge of the commercial demands that were in vogue to follow the developments of the science of his day. But the author of the "Manchester Guardian" article, Mr. Michael Peckham, seems obsessed by what he considers to be the adverse influence of current philosophies—it is safer to use the plural—on contemporary science. He asserts "the coherence of learning" has been "generously weakened"; and the best he offers is that "if science, and scholarship in general, once more gave . . . to deeper questions, if the search for essentials could somehow re-enter the background of scholarly investigation, there would be more chance for the present lines of academic inquiry to be relevant to one another." On what is this pessimistic estimate based? The trend of the natural sciences is, it need hardly be pointed out, towards increasing specialisation; this does not mean, however, that the sciences are becoming less relevant to one another. On the contrary, the "pure" scientist finds that at various stages of his work he must link with, say, the physicist, the botanist, the pharmacologist: a similar interchange of forces takes place in many fields of research. Every local success helps other workers of the scientific front.

to Explain It Away

For a long time has there been something about an instance of living in the past as reported on p. 106 and assessed by you on p. 121. It may be that other events have been occurring since the middle of 1939 have evoked the notice of Professor Henry Jones of Liverpool. The Professor may be wondering how best to explain away some of his statements, in which case a hint might be timely. One of the most sparkling characters of Meredith's novel "The Ordeal of Jinkson," records the efforts of Jinkson, a farm hand nicknamed "the lam," to substantiate his version of the

firing of a stack. Farmer Blaize, the owner of the stack, had summoned Jinkson to his presence to explain the matter in front of young Feverel. Now the Bantam, having received a tip, turned his back on the farmer at a critical point in the narrative, and mutely addressed the other occupant of the room "by a series of intensely significant grimaces, signs, and winks." This stratagem not producing the desired effect, the witness hedged. His employer accused him of having previously sworn to a different story; but the yokel, as he retired through the doorway, flung back the retort "Not up'n o-ath." The twentieth-century equivalent for this phrase is, I understand, "off the record."

Stephen Higgins

An erudite note by Noel Blakiston in a recent issue of "Notes and Queries" (187, 2, 24) on the derivation of the word "Piccadilly" (still an unsolved problem) is of interest to your readers. For many years there has been a doubt as to the identity of "one Higgins, a tailor," who was said to have made a fortune by the sale of the sartorial appendages called piccadills, and credited with suggesting the well-known street name. It had even been held that Higgins was a mythical person. However, the author of the note has discovered an entry in the Privy Council Register, under the date July 31, 1619, showing that an apothecary named Stephen Higgins (or Higgens) had often been ordered to appear before the Council on charges of having erected buildings in the parish of the Savoy, near the Strand, "contrary to his Majesty's proclamations." The defendant was required "to reforme his said offences or to compound." The writer feels certain that Higgins was father-in-law to Robert Baker, who, it is known, built "Pickadilly Hall" in the parish of St. Martin-in-the-Fields—hence, probably, the original statement or misstatement. Barrett's History of the Society of Apothecaries of London contains several items of information about Higgins. He was one of the first Wardens of the Society, and was elected Master in 1621 and 1638. His disputes with other members caused considerable trouble: one, relating to priority of place, reached such proportions that it was referred to the Lord Mayor. It may be added that in Johnson's edition of Gerard's Herbal (1633) blue bugloss is mentioned as growing "in a dry ditch at Pickadilla." **Xrayser**

COMPANY NEWS

PLASTICS-LENG, LTD. (P.C.).—Capital £2,000. Manufacturers of and dealers in plastic substances, etc. Albert C. and Arnold S. Leng, directors. R.O.: Fordhouse Lane, Stirchley, Birmingham, 30.

HIGHDALE SOIL LABORATORY, LTD. (P.C.).—Capital £2,000. Manufacturers of and dealers in chemicals and horticultural requisites, etc. George E. M. Macey, director. R.O.: 4 Bucklersbury, London, E.C.4.

MILSANJEPH, LTD. (P.C.).—Capital £10,000. Moulders and fabricators of metal, rubber, mineral, vegetable and chemical derivatives, etc. Ian C. Sanderson, Arthur E. Mills, Philip H. R. Jephson, directors. R.O.: 139 Pembroke Road, London, N.10.

RANKINS PARTNERS, LTD.—For family reasons the partners in the old-established business of Rankin Bros. & Sons, London, S.E.1, recently decided to convert the firm into a private limited company. The title was adopted to meet the requirements of the Registrar of Companies, but the company will continue to trade under the previous name of Rankin Bros. & Sons.

POTTER & MOORE, LTD.—Mr. A. J. E. Madden (secretary of the company for the past eleven years) has been elected a director. Mr. Madden has represented Potter & Moore, Ltd., on the executive committee of the Perfumery and Toilet Manufacturers' Section of the London Chamber of Commerce since 1933. At the last annual meeting of the Perfumery Export Group he was appointed a member of the Group's executive committee.

Reductions of Capital.—In the Chancery Division, London, on July 31, Mr. Justice Cohen confirmed a reduction of the capital of British Photographic Industries, Ltd., from £1,000,000 to £830,000 by cancelling 5s. 8d. on each of the 600,000 ordinary shares of 6s. 8d. each.—A reduction of the capital of the Methylating Co., Ltd., from £750,000 to £266,480 by returning capital not required by the company, and cancelling unissued shares, was also confirmed. Mr. Cecil Turner, for the company, said the amount required to repay half of the capital on both the preference and ordinary shares was £266,480. This capital was in excess of the company's requirements. Since its incorporation the company had carried on a flourishing and successful business in the methylation of spirit and the sale of its products through branches which it had established.

TRADE MARKS

(From "The Trade Marks Journal," July)

"RESEG"; for egg preservatives (1). By Lloyd, 133 Percy Road, Whitton, dlesex. 629,115.

"OVERGLO"; for toilet preparations cosmetics (3). By House of Westmore, c/o Haseltine, Lake & Co., 28 Southar Buildings, London, W.C.2. B624,652.

"TUSSETTES"; for pharmaceutical preparations for bronchial and chest complaints (5). Ayrton, Saunders & Co., Ltd., 34 Ha Street, Liverpool, 1. 626,695.

"RUMASORB"; for medicated vaporous ment (5). By P. Gray, Tullie House, C Street, Carlisle. 627,898.

"QB" (monogram) Tubular brand (exclusive disclaimed); for bandage boxes bed pans, etc. (10), and sterilising ut (11). By The Tubular Hollow-ware Co., Brierley Hill, Staffordshire. B628,2 (all Associated).

"MAGAVAN"; for pharmaceutical preparations (5). By A. Parkinson, 110 Fria Preston. 628,830.

"ESOTONE"; for pharmaceutical preparations and substances (5). By Southon Laboratories, Ltd., 88 Upper Richmond London, S.W.15. 628,902 (Associated).

"ZIPEROX"; for disinfectants and antiseptics (5). By Klarzone, Ltd., 1 Red Cross Street, Preston. 628,991.

"BUCKLER BRAND" (Knight in armour with sword and shield); for pharmaceutical preparations, human and veterinary, tary substances, weed killers, etc. (5). E. Taylor (Chemicals), Ltd., Boar Street, Manchester, 1. 629,067 (Associated).

"BICKIEEGS CHU-CHUS"; for rusks for children (not chocolate-covered) (30). By Bickie Ltd., Welwyn Garden City, Herts. 629,067 (Associated).

(From "The Trade Marks Journal," July)

Device of clasped hands; for photographic chemicals, fire extinguishing preparations, etc. (1). By The Scotch Co-operative Wholesale Society, Ltd., Morrison Street, Glasgow, C.5. 629,067 (Associated).

"NILTATO"; for soaps, perfumery, essential oils, dentifrices, etc. (3). By S. W. Beaumont, 154 Greenford Road, Harrow, Middlesex. 627,662.

"CHINCHIN"; for shaving soap, etc. (3). Metzger Manufacturing Co., Levens Road, Gorton, Manchester, 18. B628,830.

"FLOWERAIN" (two women holding up a bouquet of flowers); for perfumes, etc. (3). By Badwal & Co., Westview, Skiddaw, Marton, Blackpool. 628,057 (Associated).

"SYLPOO" and "SYLJOX"; for toilet preparations (3). By W. W. Brown, 27 Rennie Terrace, Edinburgh. 628,770-71 (Associated).

"SULFATHIADOX"; for ointments containing sulphathiazole compounds for burns, etc. (1). By W. R. Warner & Co., Ltd., Power Court, Chiswick, London, W.4. 626,888.

TRADE NOTES

sed Prices in Operation.—Revised of Oatrex processed Scotch oatmeal put into operation on July 1 by the manufacturers, George King & Co., Ltd., N.W.9. Details are given elsewhere in this issue.

ments Range.—Thornton & Ross, Lanthwaite, Huddersfield, direct attention to their Samaritan range of ointment 1-oz. and 2-oz. amber jars. These B.P. and B.P.C. preparations and special formulas.

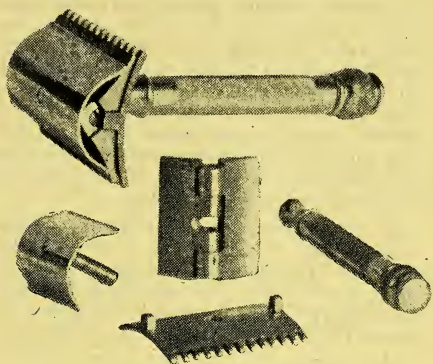
table Specialities.—A variety of tary items including cosmetics, preparations, insect powders, etc., are mentioned in an advertisement by Alfred & Bartlett Co., Ltd., London, elsewhere in this issue.

s Reduced.—Ciba, Ltd., The Laboratory, Horsham, Sussex, have put in on a new reduced series of prices of cyclo (progesterone-Ciba) in boxes of 1-c.c. ampoules each containing 10 mgm. New packages of fifty ampoules have been introduced at the same time. Full particulars of the new will be given by the makers on application.

lay Closing.—The works and offices of J. H. HAYWOOD, LTD., manufacturers of surgical appliances, Nottingham, will be closed for the company's annual general meeting from Saturday, August 5, to Sunday, August 14. —MAY & BAKER, LTD., London, will be closed from noon on Saturday, August 5, to Tuesday morning, August 8. Urgent supplies may be obtained from John Bell & Croyden, 50, Wigmore Street, London, W.1, or from Curtis & Co., 79, Baker Street, W.1. —EDWARDS, & PARTNERS, LTD., announce that their London office will be closed from Saturday, August 3, till Tuesday, August 8. The Manchester office will be open as

double-edged Hollow-ground Safety-razor.—Recent specification recently accepted for a safety-razor to take a double-edged hollow-ground blade. Registration is by Henry Eve and Albert Edward, 137 London Road, Luton. The specification relates to a safety-razor of the type in which a double-edged blade is held between a guard and a rigid back. Hitherto the blades of such razors have been of the wafer type, which are considered by the inventors to be unsuit-

able for heavy beards. The so-called "solid" or hollow-ground blade, as hitherto known, has only one edge, and the object of the present invention is to provide a blade which has the advantages of the "solid" blade but possesses two shaving edges and,



when assembled, is provided with a guard. The blade comprises two components, each having a cutting edge, which are linked or hinged together along the edge opposite the cutting edge. Together the two parts constitute a single double-edged blade which folds or bends along its median line.

Business Changes

MR. W. E. PHILLIPSON, M.P.S., removed on July 26 to 1 Ruthin Avenue, Alkington, Middleton, Lancs.

MR. MICHAEL DUNNE, M.P.S.I., has acquired the pharmaceutical business of Eric W. Massey, Ltd., Harcourt Street, Dublin.

J. M. SMITH & Co. (LONDON), LTD., Hampton Chemical Works, Camelot Street, Old Kent Road, London, S.E.15, regret to announce that their premises were damaged by enemy action. All representatives have been called in, and orders on hand at the time of the incident are being dealt with as new stocks permit.

APPLICATIONS FOR BUSINESS LICENCES.—The following application has been made for a licence under the Retail Businesses Order: Garston Co-operative Society, Ltd., to add drugs, medicines, medical and surgical appliances, toilet goods, toilet preparations and perfumery to goods sold at their premises at 198 Western Avenue, Speke, Liverpool, 19.

DEATHS

ALDERDICE.—At his residence, 129 Strand Road, Sandymount, Dublin, Mr. Hugh Arnold Alderdice, aged eighty-two. Mr. Alderdice was one of the oldest and most respected representatives in the Irish drug trade. He joined Boileau & Boyd, Ltd., Dublin, on January 1, 1882, and spent his whole business life of sixty-two years with the company. For many years he was the senior representative of the company, and letters of sympathy have come in from chemists in all parts of Ireland. In June 1942, at his own request, Mr. Alderdice retired from the position of representative but continued his connexion with the firm, attending at the offices in Bride Street up to March of the present year.

BUTTERFIELD.—At Fairmount, Woodville Road, Keighley, on July 22, Mr. Thomas Alexander Carrodus Butterfield, aged seventy-six. Mr. Butterfield was in business in Cavendish Street, Keighley, for about thirty years. He retired some years ago.

DEWSBURY.—On May 1, after an operation, Mr. Harold Dewsbury, M.P.S., 1432 Sturt Street West, Ballarat, Victoria, Australia, aged sixty-one. Mr. Dewsbury was for twenty-two years the managing director of the Hankow Dispensary Aerated Water Factory, Ltd., Hankow, China. He retired to Australia in 1941.

HEGGIE.—At Simul Barrie, West Kilbride, on July 25, Mr. John Heggie, M.P.S., 86 Main Street West, Kilbride, Ayrshire. Mr. Heggie qualified in 1904.

MORTIMER.—Recently, as a result of enemy action, Mr. Francis James Mortimer, C.B.E., F.R.S.A., Hon. F.R.P.S., a past-president of the Royal Photographic Society and editor of the "Amateur Photographer," aged sixty-eight.

WILLS

MR. TOM STARKEY, 66 East Acton Lane, Acton, London, W.3, left £4,546, with net personality £2,251.

MR. GEORGE NICHOLSON, M.P.S., 4 The Esplanade, Ryde, Isle of Wight, who died on February 17, left £17,636, with net personality £16,051.

MR. FRANCIS ALBERT ROTTENBURG, Lochlane, Crieff, and 7 Kew Terrace, Glasgow (managing director of Leisler Bock & Co., chemical merchants), left personal estate in Great Britain valued at £57,826.

PERSONALITIES

ALDERMAN W. CRUMBLEHULME Bolton, has been elected deputy of the north-west area council of the of Retail Distributors.

MR. L. LIVSEY, Station Road, L. Glam., president of the Cardiff Association of Pharmacists, served his apprenticeship with Mr. R. Robinson, Cardiff. After training at the Welsh College of Pharmacy, he qualified in 1930. During his two years in college he captained both cricket and football teams, returning the highest batting average in both years. After qualifying, he spent a short period at Devizes, Wilts, before opening on account at Llanishan in 1931. He was chairman of the Cardiff branch for four years and has represented the four British Pharmaceutical Conference.



MR. HAROLD LEONARD SAUNDERS has been appointed Comptroller-General of Patents, Designs, and Trade Marks in succession to Sir Frank Lindley, retiring from August 31.

MR. T. HESELTINE (a past-chairman of the National Pharmaceutical Union and member of the Council of the Pharmaceutical Society) was recently elected president of the Normanton Rotary Club.

ALDERMAN WILLIAM HERBERT M.P.S., The Croft, Penkhill, has been chosen to be the next Lord Mayor of Doncaster. Alderman Kemp is a director of W. H. Kemp, Ltd., and druggists, Fenton and Long has been a member of the Council since 1921, and was elected an Alderman in 1927. He has also been a Justice of the Peace for the city since 1927, and has served as chairman of the North Staffordshire Branch of the Pharmaceutical Society. In addition to being chairman of the Health and Hospitals Committee of the Council, Alderman Kemp is also a member of the Borstal After-care Committee, the Fenton Nursing Association, the Nursing Committee of the North Staffordshire General Hospital, and a past-chairman of the City Probation Committee.

EMPLOYEE PHARMACISTS' N.H.S. PROPOSALS

Joint Consultative Committee representative of the National Amalgamated of Shop Assistants, Warehousemen (incorporating the Association of Pharmaceutical Employees), National Union of Distributive and Allied Workers, and Union of Scientific Workers, has issued the following memorandum on "National Pharmaceutical Service within the National Health Service," as follows:—

Considering the questions involved in the provision of adequate pharmaceutical services within the proposed National Service, the test to be applied must be whether the proposals made are such as to contribute to the fullest possible extent to an efficient public service. . . . Insofar as the public need can best be served by the development and expansion of existing pharmaceutical services provided by retail pharmacy and in hospitals, this must be the basis. Insofar as new services in the health centres are necessary to meet public need under the vast extension of health services postulated in the proposed National Health Service, those new services must be provided. It would be a disservice to the public interest to abolish or stultify existing services if those facilities, with their accumulated experience under the existing National Health Insurance scheme, can be used to fulfil the wider rôle demanded of pharmacy under the new scheme. By the same token it would be inimical to public policy to allow private interests to obstruct the development of pharmaceutical services within the proposed Health Centres where such is necessary in order that the Health Service may work the more efficiently.

Proposals

Accordingly within the framework of the doctrine that the following proposals should be—

the media for the supply of medicines should be the existing channels of retail pharmacy in hospitals and local Health Centres. The first consideration must be the supply of medicines to meet adequately the public needs. The dispensing and the supply of medicines must be under the personal control of pharmacists.

The salaries and conditions of service of pharmaceutical employees shall be determined by agreement between the employee organisation concerned and the employer or public body responsible for providing the medical

pharmaceutical services rendered in local Health Centres and hospitals must be administered through the machinery of the National

Health Insurance scheme as an integral part of the National Health Service.

(5) There will need to be a National Authority for the pharmaceutical service conducted other than through the local Health Centres and hospitals. The functions of the Authority should be—

(a) To determine the facilities to be provided by pharmaceutical participants in the scheme.

(b) To conduct inspections and tests to ensure that the said facilities are maintained.

(c) To determine the conditions for the addition or deletion of units of the pharmaceutical service.

(6) The constitution of the National Authority should be determined by consultation between the Ministry of Health, Joint Industrial Council for Retail Pharmacy, and Pharmaceutical Society of Great Britain, so as to be equitably representative of all interests covered by these bodies.

(7) The pharmaceutical services locally shall be organised and administered by local committees representative of the same interests as are covered by the National Authority, local Health Centres, and hospitals.

(8) Recruitment of pharmacists must provide the facilities to ensure recruitment of the most able people, irrespective of social and financial position. There are two interdependent requirements—

(a) Payment of an adequate wage to apprentices.

(b) Financial assistance to enable the most suitable people to qualify.

(9) A period of apprenticeship is desirable.

(10) Regulation and control of apprenticeships must be improved on the following lines—

(a) Establishments in which apprentices can be trained must be approved by the Pharmaceutical Society.

(b) The Pharmaceutical Society should lay down the lines along which the training of apprentices should be carried out by pharmacists, and should conduct inspections to ensure that the training follows the prescribed course.

(11) Post-graduate courses should be provided.

(12) Independent pharmaceutical research should be extended and public funds allocated for such extension.

(13) Control of proprietary medicines with respect to formula, advertisement and price is highly desirable.

Influenza Vaccine in Use in Denmark.—

A vaccine for influenza produced by Thorvald Madsen, head of the Copenhagen Serum Institute, is stated to have proved highly effective. It is being produced in large quantities to meet the epidemic that usually occurs in the autumn. All policemen and nurses in Denmark are to be treated with the serum.

A U. S. P H A R M A C Y .

s o m e w h e r e i n E n g l a

THERE are places in Britain where the Pharmacy and Medicines Act, 1941, fails to operate, and where the writ of the British Pharmacopœia does not run. At first mention, this might suggest a loophole in the legislation. Actually, there has been no slip-up. The explanation is simply that, included in the large force the United States has sent to Britain, is the Army Medical Corps, with its own general, field and other hospitals, and, as a corollary, its own pharmacies. One such fragment of American territory is occupied by a U.S. Army General Hospital in the Midlands, which, by courtesy of the Officer Commanding (Colonel Daniel J. Berry), was

visited recently by three English pharmacists. One of these—the writer—member of the editorial staff of *CHEMIST AND DRUGGIST*. His story follows.

On American Soil

The hospital comprises a group of story buildings in their own grounds. "Okay, sir" of a khaki-clad sentry at the gate, after he has examined our credentials, is perhaps hardly enough in these days to stamp him as American, but the sight of Stars and Stripes hoisted outside the administrative building as we approach brings vividly home to us that we have England behind. Within these confines



1. The dispensing counter: weighing out a powder.
2. T/4 Fred Auletta and T/4 Webb Weitzel making up mixtures.
3. The pharmacist in charge, T/Sgt. Szklarz, prepares a solution of penicillin from sterile materials.
4. Biochemical department: microscopical examination of a specimen under "artificial daylight."



6

5. Pathological department: cutting a section on the precision microtome.

6. T/3 Rochman prepares an emulsion.



are guests, but it is true American hospitality that we encounter. First impressions count for much, and the corporal who is our first contact welcomes us with a friendliness that is typical of the way we are received by everybody in the hospital—officers, sergeants and privates alike. While we wait for the Special Service Officer (Rev. Major Baker) to appear, the corporal reveals with some pride that he is a great-nephew of Florence Nightingale.

Presently our clearance comes through. The Commanding Officer having given us full permission to interview the chief pharmacist, we set off with the S.S.O. Everywhere, it seems, are Nissen huts. These are the wards, set widely apart to minimise air-raid risks, and each under the charge of a nurse (every nurse is an officer) in brown-and-white striped uniform, her badge of rank on the lapel. Nurses' hours of duty are from 7 a.m. to 7 p.m., with breaks for luncheon and dinner, but no afternoon tea.

A Sergeant-Pharmacist and Some Others

We pass other buildings—stores, x-ray rooms, officers' mess, kitchens—before reaching the pharmacy. At the counter a young man, a white jacket in place of his regulation khaki tunic, comes smilingly forward. He looks interested (a civilian is a rarity at the hospital), and on discovering our mission, introduces himself as T/Sgt. (Technical Sergeant) Alfred J. Szklarz, B.S.(Pharmacy), pharmacist in charge. His immediate superior, Lieutenant Sholom Sussman, also a pharmacist, is the Medical Supply Officer, and finds his time too fully taken up with this task to take a hand in the practical pharmaceutical operations. Unfortunately, too, the Lieutenant is off-duty on the day of our visit, so we are not able to meet him or to inspect the stores. However, what we have really come to see is the pharmaceutical work of the hospital, and the sergeant-pharmacist in charge proves himself an excellent guide. First, he introduces us to his staff: T/3 Joseph Rochman, Ph.G., a graduate of Fordham University, N.Y.; T/4 Fred Auletta, Ph.G., a graduate of Connecticut University; and T/4 Webb Weitzel, of New Orleans, holder of a U.S. Army qualification corresponding approximately to that of a Royal Army Medical Corps dispenser. The pharmacy proper is a large square room, with centrally-placed two-sided dispensing bench, and a wide space between it and the counter which lines three walls. On the fourth is a glass-fronted

store fixture stocked with proprietary and dressings. Large windows on opposite sides give an abundance of light, and a colour scheme of pale blue and yellow contributes to make the pharmacy most pleasant place to work in.

For security reasons nothing can be said about the number of prescriptions dispensed each day at the hospital, though it is disclosing no secrets to mention that there are numerous enough to keep the pharmacy fully occupied. A few points of difference from English practice may, however, be noted. The pharmacy is not a dispensary. That word has another meaning in America. Sulphanilamide is here sulfanilamide. Dangerous Drugs are narcotics. We also see the narcotics cupboard and are shown a burglar-proof safe, opened by a combination known only to the Medical Supply Officer and pharmacist in charge. On the other side are a great variety of injection tablets, "syrettes" (ampoules complete with injection needle), opium and morphine, galenicals, etc. D.D.A. prescriptions (written manuscript, not typewritten) are guarded under the top edge and fastened one at a time to the other in two neat columns per page in the prescription book (there is no time to be lost in the pharmacy for copying them out). Discipline appears to be of the kind based on common sense, understanding by and confidence in the pharmacist in charge. The more elementary duties are carried out by non-pharmacist assistants, so that the pharmacists are free to pay attention to strictly pharmaceutical duties. Incidentally, T/Sgt. Szklarz mentioned that he preferred to pursue his craft at the hospital rather than join the Pharmacy Corps, under which the duties, though they offer a better chance of a commission, are concerned rather with supplies. The conditions under which ordinary pharmacists work are obviously congenial to the personnel, and it is understandable that some may feel that the attractions of a commission may be overrated.

Penicillin Procedure

There are no "drug rounds" as ordinarily understood in this country, but a series of uniform brown bottles with labels carefully and attractively hand-lettered by a twenty-six-year-old chief pharmacist. The balances are glass-cased, and the measuring devices are "streamlined." A large refrigerator provides storage for the serum and a smaller one for penicillin and other items. Of this life-saving bacteriostat there is a suitably adequate supply, considering the present production difficulties. Still

ions of penicillin are made up by the pharmacy staff as required. Originally, this was left to the nurses to do, but experience has shown that the necessary aseptic injections are only ensured by preparation in the dispensing counter. One quantum solution is prepared during our visit, as can be seen in the illustrations, pp. 140-41. There is a fairly comprehensive library in the pharmacy. Alongside the U.S. Pharmacopoeia we note with some interest that there are copies of the B.P., B.P.C. Martindale, acquired since the arrival of the Unit in this country. Their presence led to an inquiry about the source of many of the drugs and galenicals used in the hospital. With few exceptions, it appears, these are brought from the States. Time economy standards and alterations introduced in Britain do not apply, though some commodities, such as glycerin, are to be used sparingly. Messages from doctors are received by telephone from the wards, or by personal call. The doctors are content to be met at the threshold, show no tendency to trespass into the pharmacy. Medicines are not distributed by the pharmacy staff; messengers from the wards collect them. On the shelves, and in the cases, ethical proprietaries predominate—for the most part by makers unknown on this side of the Atlantic. Galenicals are compounded in the pharmacy.

Stores "Back Home"

We have a word with the pharmacists about their work at home. T/Sgt. Szklarz, stationed at Buffalo University, N.Y., is a member of the American Pharmaceutical Association and Kappa Si Pharmaceutical Fraternity (an international organization having branches in Canada, Mexico,

Before joining up he was behind the counter at an "ethical" pharmacy in New York, but has ambitions to enter a manufacturer's laboratory. Another member of the staff was employed at a corner store, complete with soda-fountain. A third was an actual proprietor. He informs us he had his fountain removed because it became less remunerative.

Whatever their previous experiences, all are keen at their present work, and all are informed on latest developments. We ask about Britain's White Paper and how pharmacists will fare under it, and are surprisingly well-informed about the issues involved.

The building in which the pharmacy is housed also houses the departments of physiology, biochemistry and pathology, all

under Lieutenant-Colonel Robert Fienberg, M.C. In the first we see in progress the Kahn precipitation test for syphilis in a battery of test-tubes ranged in compact metal holders. The results are being entered on cards. The Kahn test has been adopted, we are told, for rapid diagnosing of syphilis, though the Wasserman test is not entirely discarded. In fact it provides more detailed result in cases of doubt. Beside the examiner on the bench is a drying chamber of polished metal, and at his rear a refrigerator accommodating reagents and supplies.

Biochemical Department

In the biochemical department a feature that compels attention is a rack containing rows of bottles of copper sulphate solution of standard specific gravity. They are used in a protein test. The substance is introduced into successive jars until it is found neither to fall nor to rise. The specific gravity is then that of the test material, and this gives the clue to other properties. Practically all the apparatus in the room (as throughout the department) has been brought over from America, but on one wall is a Manesty still in full function. All the apparatus and instruments are of the highest efficiency and perfection. "Artificial daylight" is used as illuminant to the microscopes.

A distinctive feature of the American hospital system is the strict attention given to dietaries. The doctor gives a brief indication of the nature of the treatment, and a staff of trained dieticians accepts responsibility for providing suitable food. A full menu of meals is worked out and supplied to the kitchens to which the dieticians' department is attached. We visit the kitchens and are immensely impressed with their orderliness, completeness of equipment, and the care taken to provide the best of food in the best of ways.

In fine, we come away with a very strong impression of, and admiration for, the intelligence and efficiency with which the U.S. Army pharmaceutical, laboratory and dietetic arrangements are being conducted, and with the hope that, while the Americans remain with us in this country, opportunities will be found for increasing contacts between pharmacists of the two nations.

[The Editor wishes to acknowledge his indebtedness to Mr. F. Wilson Moulds, M.P.S. (Corps Superintendent of the Nottingham Corps, St. John Ambulance Brigade, and Vice-chairman, Red Cross and St. John War Organisation, Nottingham), without whose help this account would not have appeared.]

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ct that goods made of raw materials t supply owing to war conditions are sed in this paper or described in its el columns should not be taken as an ion that they are necessarily available ort.

Scientific and Industrial Research—II

issue of July 29 (p. 119) we gave a account of the "Statement on Prob- Scientific and Industrial Research" up as the outcome of two conferences under the auspices of Nuffield College, . That statement, covering as it is extensive and well-defined field, is a more detailed examination. y free from "padding," the report tes and sustains the interest of the from sentence to sentence till the end ed. This result is obtained without amplification; on the contrary, the s are occasionally content to make a ent without supporting evidence, users of the report to make their mments. An instance occurs in the paragraph, where it is stated that in the market there is "an increasing cy towards the diversification of ers' needs and demands, as well as ent necessity of bringing down by ficient mass-production the prices of goods which are now on the border- between luxuries and necessities." endency (accepting the remark as it forms one part of the background

of the subject; another part is the observa- tion that for a considerable period after the war there will be "a serious shortage of highly trained workers in a great many professions," and that improvised methods will not abolish this difficulty though they may mitigate it. It is as well to bear these considerations in mind, for they mean, in practical terms, that there will be competi- tion from many sides for trained scientific skill together with a growing demand for products depending largely on the exercise of this skill. Without attempting an ex- haustive analysis, we propose to discuss the report with special mention of what we regard as its main subjects.

Some Objectives

First, what are the objectives of scien- tific research as applied to industry? This question is raised in the section dealing with research associations; we quote an essential passage:—

"Is it the task of research associations to pursue long-run programmes of applied research in relation to the processes of the various industries, to probe into the pure scientific facts on which these pro- cesses are based, and to circulate the results of their research . . . leaving it to firms to master these results and to find their own ways of applying them? Or is it part of the duty of a research association to act as an educational instrument and . . . to translate as many as possible of its results into terms which can be understood even by business staffs possessed of no more than a small dose of scientific knowledge? Again, should the research associations concen- trate on carefully considered research programmes of their own devising; or should they be ready to take up, within limits, almost any problem posed to them by any subscribing firm, and to advise such firms how to deal with their own specific problems? . . . industrial con- sultants exist in any number only in a very limited range of trades, and . . . are by no means always equipped for giving really sound advice."

The report continues: "There can be no uniform answer to these questions, irre- spective of the nature of the industry." The

older industries, it is held, stand in greater need of a bold, pursuance of collective research than do modern industries based on science and composed of comparatively few firms well equipped scientifically.

Research Associations

At this point we turn to existing records of collective research. The inauguration of the Department of Scientific and Industrial Research, reports from which have been reviewed from time to time in our columns, took place at the end of 1916: the Department has never been too well supplied with funds, and some of the subjects selected by it have had a severely academic aspect. It must in fairness be remembered that one of its objects is to stimulate the systematic development of research. On this side it has borne good fruit; twenty-five research associations have come into existence, and three more are in process of formation. The report notes that these associations "have not so far justified the hopes of their founders," and proceeds to furnish probable reasons, one of which is inadequate expenditure. Turning to the United States, a brief account is given of an institution that has no exact counterpart in this country, the Mellon Institute of Industrial Research at Pittsburg, founded in 1913:—

"The Institute works primarily through a system of research fellowships endowed by firms or individuals. The manufacturer pays the salaries and running expenses, while the Institute provides the laboratory facilities, technical assistance, and what is even more important, expert direction in the organisation and methods of industrial research. The results of the research become the exclusive property of the donors of the Fellowships in question. The Institute also carries out a large amount of pure research and of applied research not directed to profit-making, and the results of such research are made generally available by publication. In addition, the Institute serves as a training centre for research workers in a variety of fields."

Other agencies of this type are in existence in the U.S.A., though none covers so wide a range as the Mellon Institute; and on another plane the Research Corporation,

founded in 1912 for patenting discoveries and applying the proceeds to grants of research, is mentioned. In a concluding article financial and other arrangements for research will be discussed.

An Urgent Packaging Ref

THE report of an inquest at Bath, on p. 149 of this issue, provides melancholy reading but points a moral. An operation was due to be carried out, under nitrous oxide anaesthesia, upon a two-and-a-half-year old boy. The child reacted unexpectedly, and the anaesthetist at once stopped administering the nitrous oxide and on what she thought was oxygen. In fact, a cylinder of nitrous oxide had been wrongly placed where the oxygen cylinder should have been, and the child died.

Undoubtedly the responsibility was placed on the anaesthetist to check the contents of the cylinders, but we are concerned with the future, and every safeguard of an automatic check may be put in operation to lessen the chance of such a tragedy recurring. One of the directions in which such an improvement may be effected is given in the following sentence of the report:—

"It was not very easy to recognise the difference between the cylinders these

All who, in hospitals or surgeries, are concerned with the handling of cylinders of medical gases will agree that this comment is in no way untrue nor exaggerated. The la-



used is, in fact, commendably modern. For persons who may be less familiar with the handling of compressed gases, it should be pointed out that the cylinders are painted, and bear a black-and-

on paper label giving the name of the together with other matter in smaller In transit, the cylinders are not in but jostle one another, often in orries. They are thus susceptible to e by friction, dirt, paint or rust on from adjoining cylinders, and r. Not surprisingly the labels com- become, as in the illustration on the ng page, almost illegible. Admittedly zzles of the oxygen cylinders are white and of the nitrous oxide ted, but in practice the contrast to diminish with time and it is a ble fact that the cylinders are not kept in well-illuminated storage rs.

view is that a simple and automatic rd can be applied in the method of ing. What is required is a form of g that is unmistakable, so that an etist will know at once, even without ing the label, the contents of the r. The marking must also be carried tely round the cylinder so that it is visible in whatever position the r is placed in the machine. A broad rse stripe suggests itself, and the of such a method is shown in the



illustration. Secondly, the marking be indelible. Achieving this object simple, but with modern plastic ls it is nevertheless perfectly prac-

We offer the suggestion that the could be shallow grooves let into the r wall and covered with an un- able plastic paint of the colour l. The British Standards Institution, has done valuable work recently in ection of standardising packaging ations, could doubtless assist in g out experimental work to this end. al point is that there is surely no e these modern days, for the cylinders uniformly black-painted. That finish

may be perfectly satisfactory in industry, but in the hospital operating-theatre it seems inappropriate. Why should there not be, for one gas, an aluminium-surfaced cylinder bearing, say, three broad bands of red, and for another a red-painted cylinder with, perhaps, two bands of white? Adoption of a simple code of marking of this kind would be perfectly straight-forward for the few gases concerned. Possibly the use of the newer surfacing materials would necessitate sending out the cylinders in protective crates, but that would be all to the good, and would have the additional advantage of rendering the containers clean and pleasant to handle at all times. It goes without saying that cylinders intended for one gas should in no circumstances be used for another, and that medical gases should be completely segregated from those destined for industrial use.

We are convinced that the suggestions put forward have only to be brought, with the unhappy circumstances which prompted them, to the notice of the makers to be given serious and constructive consideration, and we recommend them at the same time to the public at large.

East African Progress

DEVELOPMENTS in East Africa reviewed in the fifteenth annual report of the East African Agricultural Research Station at Amani, Tanganyika Territory, include the building of a camphor factory which produced 58,000 lb. of solid camphor and oil during the year. Active experiments were carried out in the production of cinchona, alongside laboratory investigations and analyses, together with experimental work on dehydrated castor oil, glycerin, stearine, and malting barley. Problems of rubber production were explored, and examinations carried out on samples of wild and plantation material, while work on devising alternative coagulants for use in rubber plantations was also begun. The services of the systematic botanist were in such demand that approximately 3,000 specimens were received for identification on behalf of the agricultural, forestry, geological, tsetse, veterinary and medical departments of the colony, and altogether the report is an encouraging indication of activity in fields of close concern to the drug and allied trades in this country.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held in London on July 26, Alderman W. J. Tristram in the chair. Reports of meetings of the Accounts, Staff, and Central N.H.I. Committees were received and approved. The secretary's report on matters which had arisen since the previous meeting was received.

Joint Industrial Council

THE SECRETARY reported that a full meeting of the National Joint Industrial Council for Retail Pharmacy had been held on July 3, Sir John Forster in the chair. The draft agreement on minimum wages and working conditions previously prepared by the Joint Negotiating Committee was the principal item on the agenda. The employers' side representatives had indicated that they were prepared to recommend their organisations to adopt the draft agreement, but the Trade Union side stated that it was unable to recommend adoption of the draft, and the matter was remitted to the Joint Negotiating Committee for re-examination. At a meeting of the Committee on July 21 the Trade Union side asked for the matter to be allowed to remain in abeyance for three or four months, and this course was agreed to.

The employers' side of the Retail Distributive Trades' Conference requested a contribution of £5 from each organisation wishing to continue in association with it; payment of this amount was approved. THE SECRETARY reported that the Board of Trade was considering changes in the administration of the Location of Retail Businesses Order occasioned by the number of applications for licences which were being received from discharged soldiers.

Pharmacy and Medicines Act, 1941

THE SECRETARY reported that it had come to his notice that the Pharmaceutical Society was arranging, with the Association of Wholesale Druggists, a test case in the courts concerning certain aspects of the Pharmacy and Medicines Act, 1941. As the action must involve vital principles affecting retail chemists, it was resolved to send a formal letter to the Pharmaceutical Society asking for an early meeting of the Liaison Committee, so that the N.P.U. could be informed of the Society's intentions.

Receipt of many letters relative to Lord Trent's recent statement in the House of Lords was reported. In view of publicity given to this statement in the national Press,

a letter had been sent by the secretary to the editor of one of the popular newspapers, but this had been edited for publication, and in its amended form only appeared in a limited number of editions of the paper. An open letter from the secretary to Lord Trent had also been sent to THE CHEMIST AND DRUGGIST (July p. 86). The Executive resolved to collaborate the secretary upon his work connexion.

War Funds

Since the new form of enemy attack had been launched on Southern England and the London area, a number of claims on the raid Mutual Assistance Fund had been notified, it was reported. Some of them had been completed by payments amounting in aggregate to £368. Completed claims were awaited in a few cases. No change was reported in the number of chemists receiving benefit from the N.P.U. War Distress Weekly maintenance grants were made in respect of three outstanding claims and the total of subscriptions received at the time of the meeting was £29,221 0s.

MR. GRAHAM drew the attention of the Executive to problems that would be countered by retail chemists when rationing in the retail price of many popular articles became effective in post-war conditions and asked if anything could be done to safeguard chemists' interests in this connection. Discussion was deferred until September.

National Health Insurance

THE SECRETARY reported that, in view of the shortage of ipecacuanha, a new Substances Order, in force from July 1, authorised ext. scillæ liq. as an alternative to ext. ipecac. liq. No reply had been received to a letter sent to the Ministry of Health asking what course it was prepared to adopt in pricing N.H.I. prescriptions calling for ext. ipecac. liq. and to a suggestion that such prescriptions should be priced as though ext. scillæ liq. had been supplied until September 1, unless they were endorsed by the chemist to that effect.

A letter was received from the Ministry of Health in reply to one sent by the secretary on June 29 on the stamping of prescriptions. The Ministry stated that whilst the Ministry was unable to state with certainty the effect upon chemists of issuing a regulation requiring pipettes for dispensing prescriptions to be stamped, they took the view that there was no undue cause for anxiety.

ards Committee of the Board of Trade promised to send to the Ministry of the proof of a draft regulation, but not expected that this would be for some weeks, and there was not any intention on the part of the Department to impose any or inconsiderate requirements.

The following resolution was received from the Nottingham Branch of the

It is suggested that efforts should be made to create unity amongst all sections of pharmacy whose responsibility it is to conduct an efficient dispensing service within the new health scheme, and that representatives of all these bodies should be appointed to negotiate new terms etc., with the Minister of Health.

It was resolved to inform the Branch of the N.P.U. had in the past supported the principle of complete pharmaceutical regulation on the Joint Pharmaceutical Committee.

Chemists' Defence Association

THE SECRETARY reported that notwithstanding the majority of the outstanding cases had not been carried to the stage of trial; two claims arising out of the sale of contaminated distilled water had been settled for a total of £23, and a case of transposition of labels had been settled for £5. Three cases in which defence had been provided for members in court proceedings were reported. In one case a summons under the Pharmacy and Poisons Act, 1941, alleged that the member sold Taxol—a recommended medicine which did not bear a correct disclosure of composition; the summons had been dismissed. The directors were, however, of opinion that the defence available to a chemist charged with an offence of this kind in respect of a product of which he was the manufacturer, was not satisfactory and the matter was to be considered.

The second case was taken under the Food and Drugs Act and arose out of the sale of Applidine in response to a request for a preparation of iodine. The makers were found guilty in the proceedings by a summons issued under Section 83 of the Food and Drugs Act, but the court did not accept the defence that the retailer had used due diligence, and a fine was imposed. The third case was taken under the Goods and Services (Price Control) Act and concerned a sale of liquid paraffin which provided the seller with a net profit greater than he obtained on the sale of a similar quantity of liquid paraffin. A fine of £1 is, had been imposed, and a further fine of £1 is,

NITROUS OXIDE IN PLACE OF OXYGEN

A VERDICT that death was accidentally due to the administration of nitrous oxide in error was given at an inquest on a 2½-year-old child at Bath on July 25. The pathologist at the Royal United Hospital, in the operating theatre of which the death occurred, said the post-mortem findings were consistent with death from respiratory asphyxia caused by nitrous oxide. The anaesthetist stated that on July 18 an operation was to be performed on the boy, and she administered the nitrous oxide and oxygen. Before doing so she examined the machine and found it in order, as she thought. One could see whether it was connected up properly. What she did not check was the cylinders that contained the gases. It was possible to check them, but it was not the practice. She relied on somebody else, though it was her responsibility.

The child stopped breathing and she stopped the nitrous oxide and continued what she thought was oxygen. The child did not start breathing again, and the heart became weaker, so she passed a tube down the throat to inflate the lungs, but the heart finally stopped beating. Then she had another look at the apparatus and found that a nitrous oxide cylinder had been placed under the oxygen reducing valve in error. Everything else was in order. It was not very easy to recognise the difference between the cylinders these days. A nurse gave evidence that it was part of her duty to change the cylinders. She did so in preparation for this operation. Looking at the machine to see what was required she found the two oxygen cylinders empty. From the cupboard she took two cylinders which she thought contained oxygen, but discovered afterwards they contained nitrous oxide. She could not have checked them properly. She was accustomed to the work.

Quinine Poisoning.—A verdict in accord with the medical evidence was given at Waterloo, Liverpool, recently, at a resumed inquest on James Morley, Crosby, who died after taking at least 30 gr. of quinine.

Cycling Accident.—At an inquest at Bangor, co. Down, N. Ireland, recently, a verdict that death was due to multiple fractures of the skull caused by accidental collision with a horse-drawn bread cart, was returned on the six-year-old son of Mr. J. M. Glass, Ph.C., Rugby Avenue, Bangor.

LABELLING SUMMONSES DISMISSED

NON-DISCLOSURE of one of the ingredients of a proprietary medicine was the point at issue at Bow Street, London, police court on July 6, when Heppells (1932), Ltd., Vauxhall Bridge Road, S.W.1, were summoned for selling, at their Piccadilly branch, a preparation, Taxol, recommended as a medicine, without having affixed a label showing the appropriate designation of the substance so recommended, or of each of the active constituents, or each of the ingredients with which it was compounded, and Continental Laboratories Ltd., Great Russell Street, W.C.2, said to be the distributors of the product, were summoned for aiding and abetting. Mr. R. A. Robinson, prosecuting for the Pharmaceutical Society, said the case related to the sale of a substance which had a large sale and was extensively recommended to the medical profession and pharmacists for the treatment of constipation. In advertising matter the substance was referred to as a biological or physiological process of curing constipation, and the suggestion was made that it was preferable to an aperient, or purgative drugs, which caused inflammation of the bowels. The label was incomplete, as the constituents were not all mentioned. The formula set out the ingredients as intestinal gland extract, biliary extract, agar agar, and lactic ferment. Analysis showed that there was also a substantial proportion of aloes, a recognised purgative.

Mr. Robinson pointed out that Section 13 of the Act did not say it was a defence to prove that a defendant did not know what was in the article he sold. The defence open to him was that he did not know the preparation was recommended as a medicine.

Society May Contest Point

The magistrate said the view he took was that it was a defence for the seller to prove that he had no reason to believe that the preparation comprised other than the ingredients disclosed, and he accordingly dismissed the summons against Messrs. Heppells on the ground that the amount of aloes contained in the preparation was very small—only one part in 100. He dismissed the summons against Continental Laboratories under the Prevention of Offenders Act on payment of £10. Mr. Robinson said that while the Pharmaceutical Society was not anxious for Heppells to be convicted, they might contest the point as to the application of Section 13.

C. & D. DISPENSING PRICE

CHANGES for the month of July were small and mainly affected substances in which there is no significant turnover. The cost of most of the drugs remains the same as in the previous two months, 134.8, the figure for the corresponding month in 1943 being 134.4.

No Slur on Retailer

Messrs. Heppells were a perfectly respectable firm of pharmacists, and it was sheer bad luck that they had been selected for the purpose of the prosecution. If it had been possible to by-pass the retailer and go straight for the wholesale distributor, or the manufacturers, the Society would have done so. They did not wish to cast any slur on the high reputation of Messrs. Heppells, and they asked for nothing more than a nominal penalty against them. There was some doubt as to whether Continental Laboratories, Ltd., were the manufacturers or the sole distributing agents. An inspector of the Pharmaceutical Society said that the managing director of Continental Laboratories, Ltd., had told him he had no knowledge of the formulas other than that printed on the label. The public analyst for Westminster informed the management that none of the ingredients disclosed on the label would have any purgative action.

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price	
d.	per		4 oz.	1 oz.
6	oz.	Aluminii acetat ..	—	s. d.
48	lb.	Cocculi indicis pulvis ..	—	0
		S.1 (4)	1 11	0
18	oz.	Ext. hyoscy. viride ..	—	3
		S.1 (5)	—	3
21	oz.	Ext. senegæ li- quidum ..	—	3
16	oz.	Lithii citras ..	—	2
23	lb.	Magnes. carbonis levis ..	0 11	0
50	lb.	Magnes. hydroxid- um ..	1 11	0
7	dr.	Ol. aurantii dulcis ..	—	—
16	lb.	Ol. cetacei ..	0 7	0
26	lb.	Oxymel ..	1 5	0
25	lb.	Oxymel scillæ ..	1 5	0
15	dr.	Sodii cacodylas ..	—	—
		S.1 (4)	—	—
18	gr.	Strophanthinum ..	3 3	per
		S.1 (4)	3 3	per

PHARMACIST'S "TRANSATLANTIC CALL"

THE seventy-sixth edition of the broadcast feature "Transatlantic Call—People to People," given on July entitled "Drug-store or Chemist's?"

British pharmacist taking part was George Thomson, M.P.S., 44 Newmarket Street, Ayr. Before introducing him, programme prescribed his

shop has two plate-glass windows, in which are two great jars of coloured ointment, one red and one green, which are part of the display window of a chemist in Britain. The walls are lined with shelves of rows of jars, each in large letters with traditional inscriptions as "Mercurius Oxidum" and "Ferri et Citrici." On

the shelf are the big bottles, many of which are made, with equally cryptic and ornamental lettering: "Spirit of Rosemary" and "Oleum ricini." There are a few things that remind one of a chemist, such as the notice which says "No Saccharin."

"Onion" Cough Mixture

Thomson was called upon to describe the mixture he was compounding. "Anything fancy, Mr. Thomson?"—no, just the usual straightforward cough mixture. You might almost call it "traditional."

"Acetic and horehound, I suppose?"—no, say, among other things. But you are not only making up a prescription at this moment—if you come in at any moment of the day you'll find me or my assistant in the dispensary doing a full day's work for one man, and I go to the dispensary, and we share it between us. You see, there's more to it than just making up the mixture; every prescription has to be copied into the prescription book, under a serial number, with

the doctor's name, and the name and address of the patient, and the date, and then that entry has to be indexed, and—well, you'll understand, that takes a lot of time. And then if the prescription contains a drug, like heroin or morphine or cocaine—well that means a second entry in what



Broadcast to Britain and the United States from Ogg's pharmacy, Newmarket Street, Ayr. Left to right: Mr. R. A. Aurand, Miss Julia Clark, Mr. George Thomson, M.P.S. (proprietor) and Mr. William Munro.

Illustration by courtesy of the "Ayrshire Post."

we call our Dangerous Drugs register—that's a book that's periodically inspected by the police, acting for the Home Office."

Customers at the Counter

Then followed a "fade-over" to the front shop, where customers and would-be customers for soap, saccharin, roll-film, cosmetics and sun-glasses were dealt with in turn, and the broadcast closed with the placing of an order for gelatin with a traveller as a preliminary to making halibut-oil capsules in the shop.

Latin into American.—"British pharmacy sticks to Latin names where American uses English. 'Ointments' are 'unguents.' Britain goes by pints where America goes by pounds, and vice versa. Nearly 90 per cent. of the United States Army medical equipment in Britain is requisitioned from British stocks under reverse Lend-Lease, so supply personnel must work in two pharmaceutical languages."—*From an article in the "Daily Telegraph" on the taking over by U.S. Forces of a Royal Army Medical Corps Hospital in this country.*

PHARMACEUTICAL SOCIETY EXAMINATION RESULTS

THE following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination held in July:—

Bailey, Alan, Hythe
 Bailey, Edmund, Burnley
 Balch, Marjorie J., Rhiwbina
 Barfield, J. C., Southall
 Barsby, Mavis F., Leicester
 Bell, Phyllis A., Yeovilton
 Buckley, Mary I., Manchester
 Butcher, F. D., St. Albans
 Campbell, L. S., Wisbech
 Cartwright, T. S., Bilston
 Case, H. G., Hove
 Chard, J. D., Chippenham
 Clennell, P. M., Wednesfield
 Cohn, Peter, Dulwich
 Dalton, Margaret E., Leicester
 Davies, G. L., Aberystwyth
 Dickinson, Eva M., Nelson
 Dolan, M. A., Nuneaton
 Duggleby, R. H., Driffild
 Dunton, L. R. H., Kingsbury
 Fairclough, Ronald, Bolton
 Felix, R. I., Penllwyn
 Field, S. C., Yeovil
 Gaskell, E. J. T., Preston
 Glanfield, R. J., Taunton
 Glover, Mildred G., Exeter
 Hale, Audrey G., Bath
 Halsall, T. D., Southport
 Hardwick, K. L., Bristol
 Harvey, Joan V. H., Atherfield
 Havill, F. W. C., Exmouth
 Hedley, J. A., Blandford
 Hopkinson, J. E., Mansfield
 Hudson, F. R., Heacham
 Hunt, Eugene, Bexhill
 Hutchings, R. T., Fareham
 Hyde, Barbara R., Swansea
 Jackson, Doreen M., Farlington
 Johnson, D. B., Peterborough
 Jones, D. R., Victoria Park
 Jones, Nessie, Chichester
 King, G. A., Oldham
 Lacey, J. O., Lancaster
 Levy, Henry, Upper Clapton
 Lewis, J. P., Neath
 Little, Gwenneth J., Cheltenham
 Lowe, Joan E., Ipswich
 McVitty, K. W., Manchester
 Maund, S. R., Worcester
 Morgan, Lilian E., Southampton
 Morgan, R. W., Swansea
 Murray, A. E., Burnley
 Owen, Dorothy G., Southport
 Palmer, E. W., Ryde
 Parkinson, W. R., Southport
 Parsons, K. E., New Malden
 Pryce, Robert, Nelson
 Robb, B. V., Newark
 Rochelle, P. H. G., Wolverhampton
 Saunders, Margaret I., Worthing
 Sheppard, W. D., Woodford Halse
 Simkins, D. C., Tottenham
 Starr, Alan, Bath

Sumray, G. M., Aldgate
 Symon, W. G., Aylesbury
 Tickner, E. C., Guildford
 Tomlinson, D. J., Rawtenstall
 Toy, D. J. W., Plymouth
 Turner, M. E. W., Torquay
 Utton, P. B., Hendon
 Voysey, Beryl C., Worthing
 Weaver, E. C., Cannock
 Wheeler, Margaret E., Evesham
 Williams, A. M., Tonyrefail
 Williams, Joan, Bath
 Williams, K. N., Swansea
 Wilson, J. K., Ilkeston
 Wood, R. F., Ombersley
 Wright, Lena M. (Mrs.), Brighton

SOUTH AFRICAN NO

Move Towards Compulsory Appre
 During a debate on the Medical, and Pharmacy Amendment Bill House of Representatives recent opposition member said he regretted the Minister of Public Health had not the opportunity to insert a compelling chemists and druggists to a quota of apprentices. The tendency was for the qualified men to erect a wall about their profession instead of training apprentices, they were engaging young women as shop assistants because they could pay them so much. The Minister said that he would refer the Pharmacy Board the matter to the speaker.

South African Agar.—A war-time problem in South Africa is the production of agar from local seaweed. After a exhaustive search, the rare seaweed (*Laminaria confervoides*) from which agar is obtained, and which grows on sandbanks in shallow water, was found at Lambou Bay, about forty-five miles from Cape Town at Hout Bay, in the Cape Peninsula. At both places limited supplies are at being obtained. The manager of a firm in Cape Town stated that progress was being made in the production of agar, but many difficulties, particularly regard to machinery, had still to be overcome. His firm had already been supplying quantities to the South African Institute of Medical Research. An inquiry had been received from Chelton von Bonde (South African Director of Fisheries) has said that he hopes there will be no export of this rare plant from the Dominion.

PYRETHRUM CULTIVATION IN KENYA

Agricultural Officer of Kenya Colony, R. S. Ball, M.A., Dip. Agric. (Cantab.), F.C.A., gives an account, of which the following is an excerpt, of pyrethrum cultivation in Kenya in the "Bulletin of Imperial Institute" (XLII. I. 13).

Pyrethrum has become an expanding industry in Kenya, owing to the popularity of the Kenya product on the world's market. Its popularity is due to the high toxicity of the pyrethrin content of the Kenya product. Output has increased from 54.5 tons per annum in 1934 to 2,869.3 tons in 1939.

During the war there has been a still further increase, resulting from the high average yield per acre and efficient methods of preparation and marketing. The crop grows well under a wide range of conditions, but yields best at the higher altitudes (over 5,000 ft.) where the rainfall is fairly evenly distributed throughout the year and the soil is a medium loam which is free-draining and easy to cultivate.

Cost of Plantation

Like most other plantation crops, pyrethrum can be established at a relatively low cost per acre. It is also useful for planting on the best wheat land infected with "take-all" disease. In pyrethrum cultivation it is essential that the land should be thoroughly clean and well prepared, for delayed attempts to eradicate couch usually involve the loss of many of the plants. Manurial requirements remain undecided. Some farmers have found that application of superphosphate results in increased weed growth, but others find that its use increases the number of flowers, individual flower size, and yield. A 1,000-lb. crop of dried flowers requires 17 lb. nitrogen, 25½ lb. potash, 10 lb. phosphoric oxide and 4½ lb. lime to the soil, amounts that would be supplied by 85 lb. sulphate of ammonia, 30 lb. superphosphate and 51 lb. sulphate of lime.

The planting material is of two types: cuttings, and roots divided from existing plants. The seedlings are usually easier to establish since they have a better root system and withstand transplanting better than cuttings. At the same time, much more labour and supervision are needed for tender seed-beds, and seedlings do not come to the market so quickly after transplanting as cuttings. The Pyrethrum Board of Kenya now distributes seed from selected pyrethrin-containing plants supplied by the Department of Agriculture. The

seed loses its viability fairly rapidly and should not be stored for long periods.

The flowers must be picked when there is no external moisture on them, either dew or rainfall, as this is likely to cause heating before the flowers are dried, with deleterious effects on the colour and appearance of the dried product and also on its pyrethrin content. For these reasons picking should not be begun early in the morning. The flowers are picked into wicker-work baskets (which allow access of air at the sides and so prevent heating), and should be taken to the drying plant at once. The average amount of flowers picked daily varies from 25 to 30 lb. of fresh flowers, and the pickings may range from 250 lb. of dried flowers per acre in high altitudes down to 9 lb. in low altitudes.

In Kenya, great care is taken to ensure that only flowers at the correct stage of maturity are collected, i.e. when at least three or four rows of disc florets are fully open. Buds and immature flowers contain less pyrethrin, and should not be collected. The annual yield of dry flowers varies from 1,000 lb. per acre in the higher altitudes (over 8,500 ft.) to 500 lb. at lower elevations (down to 7,000 ft.).

Cultivation

Deep cultivation (in excess of 6-8 in.) is not necessary for pyrethrum, which by nature is shallow-rooted, but a reasonably firm bed is desirable before planting out the seedlings or root divisions. Continuous weeding reduces the compactness of the soil, so that the life of the plantation is from three to five years. It is therefore necessary to replant from 15 to 33 per cent. annually, although the pyrethrin content of the flowers does not seem to decrease with increasing age. If the field is allowed to become weedy, the plants are not healthy and the pyrethrin content is decreased. It is advisable not to replant pyrethrum immediately after removal, but to grow peas or cereals for one year, so that weeds such as sorrel can be effectively destroyed.

Rubber Tyre Economy.—An appeal for the utmost economy in the use of motor-car tyres is being made by the Directorate of Tyres of the Ministry of Supply, which points out that, if a tyre is submitted for replacement while capable of being retreaded, 50 per cent. of the rubber required to make a new tyre, and 100 per cent. of the tyre fabric, are saved.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, August 2

WITH the holiday period in full swing and with many of the leading wholesale houses closing down during the coming weeks, the markets have been particularly quiet, and this state of affairs seems likely to continue for some little time ahead. Quoted prices throughout show no material change, and despite lack of business, values of all products and commodities are keeping very steady. No improvement in supplies of many of the imported materials, particularly CRUDE DRUGS and ESSENTIAL OILS, can be reported.

Pharmaceutical Chemicals

ACETANILIDE.—Crystals unchanged at 2s. 5d. per lb., and powder at one penny per lb. extra.

AMPHETAMINE.—Makers' prices are 150s. per lb.

BORAX.—Makers' current rates are unchanged: B.P. quality, granulated, £42 per ton; crystal, £43; powder, £43 10s. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

CITRATES.—Makers quote POTASSIUM per lb., in 28 lb.—1 cwt. lots, as follows (containers in brackets): 3s. 3½d. (1-lb.); 3s. 2d. (4-lb.); 3s. 1d. (7-lb.); 3s. 0½d. (14-lb.); 3s. (28-lb.). **IRON AND AMMONIUM (SCALES), B.P.,** is at 3d. per lb. above, and **SODIUM** is at 1d. per lb. below these prices; **POTASSIUM** and **SODIUM POWDER**, 1d. per lb. extra.

CREAM OF TARTAR.—Controlled prices for the smaller quantities are as follows: Less than 7 lb., 2s. 10d. per lb.; 7 lb.—14 lb., 2s. 9½d.; 14 lb.—28 lb., 2s. 9d. For the full schedule, see *C. & D.*, May 20, p. 555.

DEXTROSE.—Current prices per lb., in lots of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 2¼d. (1-lb.); 1s. 1½d. (2-lb.); 1s. 0¾d. (4-lb.); 1s. 1¾d. (7-lb.); 1s. 1¼d. (14-lb.); 10¾d. (28-lb.).

ETHYLMORPHINE.—Quotations for per oz. in small quantities are as follows: **ALKALOID.**—½ oz., 51s.; 1 oz., 48s. 6d.; 2 oz., 47s.; 3 oz., 46s. 3d.; 4 oz., 46s. **HYDROCHLORIDE.**—½ oz., 43s.; 1 oz., 40s. 6d.; 2 oz., 39s.; 3 oz., 38s. 3d.; 4 oz., 38s.

LACTATES.—Prices are unchanged as follows: **LACTIC ACID.**—Six-winchester lots, 2s. 10d. per lb.; smaller quantities, 2s. 11d. **CALCIUM LACTATE.**—Small quantities, 2s. 3d. per lb. **CALCIUM SODIUM LACTATE.**—Powder, small lots, 3s. 5d. per lb.; 14-lb., 3s. 2d.; 28-lb., 3s.; granular, one penny per lb. extra.

MERCURY IODIDES.—The following makers' prices per lb.: **RED**, less than 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. **GREEN**, less than 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. **YELLOW**, less than 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

PHENOLPHTHALEIN.—No change in prices, as follows: Less than 7 lb., 4s. 6d.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 1 cwt., 4s. 2d.

VANILLIN.—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

AGAR.—Market dull, price unchanged controlled price of 30s. per lb.

ALOES.—Curaçao is a firm market on 450s. per cwt.; Cape is not available.

ARECA NUTS.—Ceylon, wormy, spot, at 105s. per cwt., ex store.

BALSAMS.—Market continues to be supplied. *Peru*, spot, 7s. 9d. per lb.; *Cinnamon*, 10s.; *Tolu* and *Copaiba*, unobtainable.

BELLADONNA.—Indian leaves, spot, at 5s. 3d. per lb.; Indian root, 0.36 per 330s. per cwt.

BUCHU LEAVES.—Dealers have small stocks at about 5s. 3d. per lb.

CAMPHOR.—Chinese crude remains in small supply: on spot, 10s. per lb., and in similar quantities, 11s. 6d., to appeal to buyers only.

CARDAMOMS.—Market dull; prices unchanged. *Aleppy green*, spot, 5s. 6d. per lb.; *Aleppy black*, 6s. 6d.; and split seed, 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, in cases, 1s. 6d. per lb.

CHILLIES.—Mombasa is the only one offered; spot, 115s. per cwt., sellers.

CLOVES.—Spot quotations for Zanzibar changed at 1s. 4½d. per lb.; to arrive, unchanged.

COLOCYNTH.—Fair white pulp remains quoted on spot at 2s. 10½d. per lb.

DIGITALIS LEAVES.—Portuguese leaves changed, market quiet; spot at 140s. per cwt. English-grown, 2s. 6d. per lb.

DRAGON'S BLOOD.—Zanzibar drop is in at £25 per cwt.

ERGOT.—Shipment offers continue reported at 6s. 3d. to 6s. 6d. per lb., terms. Fair inquiry.

GUM ACACIA.—Spot price of Kordofan sorts is steady at 80s. per cwt.; bleached

140s., c.i.f.; spot, 185s. Talha, cleaned, per cwt., landed.

BANE.—Indian leaf is quoted at from 20 to 275s. per cwt., according to holder; low-testing material may be obtained at 1 lb.; Russian leaf, 350s. per cwt.

BRANDI.—Spot price is unchanged at 1. per cwt., but supplies are meagre.

ALA.—Material with 6 per cent. ash fetch 2s. per lb.

ORICE ROOT.—Russian root, for pharmaceutical purposes, 85s. per cwt.; small lots of single-peeled Syrian, spot, 110s. per cwt. subject to D.M.S. approval.

THOL.—Market is quite neglected, with few supplies available.

EURY.—Official quotations range from 10s. to £69 15s. per flask, according to lots and quality, with higher prices for small lots and redistilled grades.

GH.—Aden sorts, spot, £20 per cwt., but few are short.

MEGS.—West Indian, wormy and broken, 5d. per lb.; sound unassorted, 1s. 7½d.

INTO.—Sellers on spot at 1s. 4d. per lb.

BARB.—Quoted prices appear to be steady and some inquiry is reported. Spot lots of rough-round, 10s. 6d. to 11s. per lb., of irregular shapes at about 14s. per lb.

S.—Little activity in these commodities; few short, prices generally unchanged.

DER.—Indian, 75s. per cwt. CUMIN.—Indian, 100s. DILL.—ex wharf. FENNEL.—Offered at 85s.

EEK.—May be had at 80s. MUSTARD.—Low prices are unchanged.

A.—Alexandrian medium pods are at 1 lb.; Tinnevely, manufacturing grade, 1½d.; hand-picked, 8½d. to 1s.; broken Indian leaves, 1s. 3d. to 1s. 4d.; siftings, Tinnevely, No. 1, 9d. to 10½d.; No. 2, 1½d.; No. 3, 5½d. to 6d.

MONIUM LEAVES.—East Indian is offering at 80s. per cwt.

PHANTHUS SEED.—Spot price of 100 lb. Kombé seed is unchanged at 7s. 10d. per lb., according to quantity.

ACANTH.—Prices of the medium grades changed as follows: No. 1, white, £130; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £40; dark amber, £40; brown leaf, £30; brown leaf, £25; red leaf, from £20; No. 12 to £15.

ERIC.—Market fully steady. Madras fine-quality, spot, 57s. 6d. per cwt.

RIAN ROOT.—Indian root, spot, quoted at 100s. per cwt.

S.—Bees'.—Supplies may be obtained through members of the Association of Distributors of Beeswax; official prices as follows: Crude, 260s. to 290s. per cwt.; refined, 315s. to 355s.; bleached, 340s. to 375s.; Calcutta, crude, 250s. to 270s.;

Calcutta, bleached, 325s. to 335s. CARNAUBA.—Fatty grey, 440s. per cwt., ex store, in minimum one-bag lots; shipment, 390s., c.i.f.; Primeira, 525s. to 540s. per cwt., ex store, nominal; shipment, 475s., c.i.f.; medium yellow, 530s., nominal; chalky grey, 430s., nominal; shipment, 377s. 6d., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELLILLA.—Under 1 ton, 220s. per cwt.; 1–5 tons, 217s. 6d.; 5 tons and over, 215s., ex store. OURICURI.—Spot, 290s. to 330s. per cwt., as to quality.

Essential and Expressed Oils

ANISE (STAR).—No bulk supplies on market. Price nominal at about 160s. per lb.

BAY.—If available on spot, price would be in the region of 12s. per lb.

CASTOR.—Official quotation for firsts is £92 per ton, and that for seconds, £90, both naked ex works, in bulk quantities.

CINNAMON.—Leaf oil, if available, would be worth approximately 13s. 9d. per lb.

CLOVE.—English distillers' prices are steady at 11s. 6d. to 12s. per lb., according to quantity.

EUCALYPTUS.—Oil containing 70 to 75 per cent. cineole is quoted on spot at around 7s. 6d.

GINGERGRASS.—Small lots may be available on spot at 22s. 6d. per lb.

NUTMEG.—English distillers' prices are unchanged at 35s. per lb., with lower rates for quantities.

OLIVE.—Edible oil is quoted at 25s. 9d. per gallon (9 lb.), ex store.

PALMAROSA.—May be had in small parcels at about 55s. per lb.

PEPPERMINT.—Plenty of inquiry; price nominal at 190s. per lb. Supplies are negligible.

COMMERCIAL NOTES

Rubber from Egypt.—A report from Cairo indicates that three varieties of rubber brought from America are growing satisfactorily in Egypt.

Spanish Olive Oil Production.—Current Spanish olive oil production is estimated at 354,000 metric tons, of which 276,000 metric tons comprise edible oil.

French Moroccan Olive Oil.—Olive oil products in French Morocco from the 1943–44 crop is expected to be 7,000 metric tons (about half the output for 1942–43).

U.S. Production of Langbeinite.—Langbeinite, a double salt of potassium and magnesium sulphate, valued as a source of fertiliser, is being produced in considerable quantities from a potash mine near Carlsbad, New Mexico. Apart from deposits in the potash basin of the south-western states of Texas and New Mexico, the mineral has been reported only in India, Germany, Austria and Poland.

INSURANCE ACT DISPENSING

Ayrshire.—During the last six months of 1943, prescriptions dispensed in the Insurance Committee's area totalled 75,000 and cost £6,200. The figures involve an increase of 10,400 in prescription forms and £1,005 in cost over the 1942 levels.

Bath.—The Insurance Committee on July 27 considered statistics which showed that, in February 1944, 9,568 prescriptions were dispensed in the area at an average cost of 3·769d. per insured person. For March the corresponding figures were 11,008 and 4·226d.

Blackburn.—During May, 27,073 prescriptions were dispensed by chemists in the area of the Insurance Committee at a cost of £1,339 (ingredients £732). During the March quarter the average cost of prescriptions per insured person in Blackburn and nearby areas was: Blackburn, 17·41d.; Oldham, 18·27d.; Rochdale, 17·83d.; Burnley, 17·03d.; Westmorland, 16·31d.; Bolton, 14·23d.; Preston, 14·92d.; Barrow-in-Furness, 13·18d.

Coventry.—Since a protest was sent by the Insurance Committee that a further call-up of pharmacists and dispensers in the area would have a serious detrimental effect on the service provided for the insured population (*C. & D.*, April 8, p. 391) two more chemists' shops have been closed: one owing to death and the other on account of the call-up of its manager. Mr. C. H. Welton, M.P.S., stated at a meeting of the Insurance Committee, held on July 17, that the manager of another central shop was leaving for the Forces during the following week. It was absolutely impossible to replace qualified men and the position was becoming more serious. A member stated that he would bring the matter before the notice of the Ministry of Information. The Clerk reported that during 1943 prescriptions made up in the area totalled 283,729, an average of about 7,000 per Panel chemist.

Glasgow.—The annual report of the Burgh Insurance Committee shows that 501,841 persons (287,429 males and 214,412 females) were entitled to medical benefit on January 1. Insured persons in Scotland as a whole numbered 2,075,861. 1,182,468 resided in burghs and 893,393 in counties.

West Midlands.—Prescriptions priced in the area of the West Midlands Pricing Bureau during 1943 totalled 5,895,443. The 1919 figure of 2,193,159 gives an indication of the increase in the area.

MISCELLANEOUS INQUIRIES

Quinine Iodosulphate.—*C. W. E.* Enclosure of this quinine salt in glass transparent plastics is for the purpose of giving anti-glare properties.

Atopy.—*R. H.*—Atopy, meaning literally "strange disease," was first applied by Coca to those clinical forms of human hypersensitiveness which do not occur in lower animals and which are subject to hereditary influence.

"Degerm."—*E. S. E.*—This word was coined in America in 1938 and means "to reduce the number of microbes, pathogenic or non-pathogenic, in or on an object." It is thus not the same as "disinfect," "sterilise," "cleanse" or any other English term previously in use.

Peppermint Oil.—*B. E. F.*—If peppermint oil is stored in completely filled, dark containers in a cool place, it should not darken or deteriorate in odour. We can recommend the addition of any suitable antioxidants; those we have tried cause no change in colour.

"Dangerous" and "Serious."—*W. J.* The term "seriously ill" in an official telegram sent to a wounded man's next of kin indicates that his life is not regarded as being in immediate danger. If the word "dangerous" is used, it indicates that the patient is in immediate danger of death. "Dangerously ill" is used.

Bay Leaves.—*C. D. C.*—Bay leaves are the leaves of *Laurus nobilis*, grown in the West Indies. They are aromatic and contain an essential oil, but "oil of bay" (as used in perfumery) is obtained from the leaves of *Pimenta acris*, and possibly other species of *Pimenta*, grown in the West Indies.

COMING EVENTS

Sunday, August 6

MANCHESTER PHARMACEUTICAL ASSOCIATION
Ramble. Meet Central Station, 8.30 a.m.
Book Hathersage return.

"A Most Critical Raw Material."—*C. U. Peat, M.C., M.P.* (Joint Parliamentary Secretary to the Ministry of Supply) has declared at a mobile paper salvage exhibition in London, that since the outbreak of the war approximately 3,000,000 tons of paper had been salvaged. Paper was one of the most important and, at the moment, the most critical raw materials. Every available contribution of waste paper is still urgently needed for the war effort.

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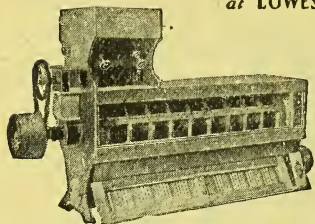
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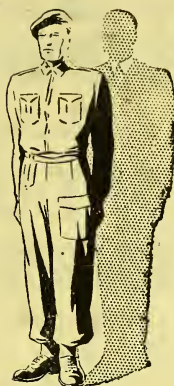
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National Guild of Tr...
which caters for...
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THE PRODUCT
YOU CAN RECOMMEND
FOR *Prestige* AS
WELL AS PROFIT

Advertisement for
the National Campaign
MEGGESON
Bismuth **DYSPEPSIA TABLETS**

MEGGESON & CO. LTD., LONDON, S.E.16.



The CHEMIST AND DRUGGIST

SUPPLEMENT

**AUGUST 5
1944**

28 ESSEX STREET, LONDON, W.C.2

This Supplement is included in every copy of The Chemist & Druggist

Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

EXCEPTIONAL OFFERS

Genuine Talc
Substitute Zinc Stearate, B.P.
Emulsifying Wax
Stearic Acid Essential Oils
Spermaceti Substitute

Bulk Inquiries only

J. J. VIGON & CO.
Fenchurch Street, London, E.C.3
Telephone: Mansion House 2034/5

We can now offer the following Packed Goods:—
ZINC STARCH and BORACIC POWDER
in Attractive New Style Containers

TINCTURE OF IODINE
in ½-oz. Ribbed Ovals with Screw Caps
Seidlitz Powders Glauber Salts
Bicarbonate of Soda Epsom Salts

Prices on Application. Special Prices to Wholesalers

LEDA CHEMICALS LTD.
Alpha Works, 94 Archway Road, N.19
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OPTICAL TUITION

FOR THE

B.O.A., and N.A.O. DIPLOMA Examinations

A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.
High Street, Barnet, London, N.

as, Turbanets. Asstd. Shades at 18/- doz.
s " 18/- doz.
Slides " 30/- grs.
ing Discs (Six on cord) " 20/- doz.
ing Rings " 13/- doz.
ing Bones " 18/- doz.

Above are subject to 33½ per cent. P.T.

Available: Perfume, Lipsticks, Mascara, etc.
Eau de Cologne, Toilet Mirrors, etc.

Please List send S.A.E. or call to:—

MARLENE PRODUCTS
Kent Way, Kingsbury, London, N.W.9
Tel. Col. 5723

OFFERED

Seed Oil, Star, Red Ship, B.P., 21 lb., at
p.; Paradichlorbenzene, 7 cwt.; Ionone,
28 lb.; White Technical Oil, drum;
Oil, English Distilled, B.P., 21 lb., at
lb.; Ol. Pini Sylvestris, 56 lb.; Pot.
ing., B.P., Crystals, 3 cwt.; Precipitated
Light, Superfine; Kaolin, Opt.; Borax,
Soric Acid, B.P., Powder; Benzaldehyde,
Spermaceti, 60-lb. cases; Stearic Acid,
Pressed, Block and Powder; Beeswax,
English, Pale Yellow; All—Ceras, Salts,
essential Oils, Gums, Whole and powders.
es solicited. Special low prices. Henshaw,
3, 97 Clearmount Road, Weymouth.
B.

Eyedroppers, 30s. gross; Tweezers, 99s. gross; Shampoos, 36s. gross; Mirrors in Wallets, 12s. doz.; Cot Sheets, 42s. doz.; Hair Slides, 30s. gross; Leather Pram Harness, 39s. doz.; Dressing Table Mirrors, 12s. 6d. each; Pocket Wallets (Leather), 12s. 6d. each; Hair Pins, 4s. 10d. thous.; Babies' Waterproof Knickers, 38s. doz.; Soft Waterproof Pliable Bibs, 8s. 9d. doz.; Mascara Brushes, 4s. 6d. doz. Stamp for list of lines available.

HARRINGTONS (London Office), 2 Berridge Green, EDGWARE, Middlesex. Telephone: EDGware 3610

Tins: ½-pint to 1-gall., with soldered seams and lever-lids. Half-ounce to 8 oz. slip-lids.

Pulp Containers: 1-lb. and 2-lb. sizes; coloured wax or unwaxed. 5-50-gross parcels.

Write G.M.C.13, Artillery Lane, London, E.1.

450 New Surgical Elastic Stockings. All sizes, 5/- each to clear.

Barrie, 13 Artillery Lane, London, E.1.

SHOP FITTING

MYERS OF OLD ST. THE PHARMACY
FITTERS

ALL PHARMACY FITTINGS. New and Secondhand
From the single unit—to the complete Pharmacy

Write, Phone or call

L. MYERS, 133-135 OLD ST., E.C.1. Phone: CLE 6381

TRADE MARKS

TRADE Mark Correction. Messrs. Riddell Products, Ltd., point out that in their entry on page 111 and their advertisement on page xxiii of The P.A.T.A. Protected List and Year Book, 1944-5, the word "Bronchovydin" wrongly appears. The reference to this foreign trade mark, which may not be used, was made by inadvertence, and should be regarded as deleted from the two announcements of Messrs. Riddell Products, Ltd., referred to above. This also refers to their advertisements in The Chemist and Druggist Diary and Year Book, 1944, and The Ulster Chemists' Association Price List, 1944-46,

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women (Control of Engagements Order 1942)

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

RETAIL (HOME)

CARDIFF (near) Pharmacist, lady or gentleman, required August 26 manag seaside shop. Pleasant position, good salary, post-war permanency if suited. Pharmaceutical responsibilities only. Short hours. Full details first letter, please. Applications unanswered seven days declined with thanks. 574/590, C. & D. London Office.

CHEMIST-OPTICIAN or Chemist, either sex, exempt, required to Manage old-established family Business on North-east coast. 574/571, C. & D. London Office.

DISPENSING Assistant, male or female, required for well-equipped Dispensary in Farnham, Surrey. Permanency and good prospects. Particulars to Timothy Whites & Taylors, Ltd., Retail Drug Dept., 70 Vauxhall Bridge Road, London, S.W.1.

FULL- or part-time Lady Assistant required. Good salary and permanency to suitable applicant. Particulars to Cunningham, Chemist, 20 St. Anne's Road, Harrow.

MANAGER required for old-established West Country Pharmacy; good salary and commission; ample assistance. 574/574, C. & D. London Office.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

QUALIFIED Pharmacist required, exempt military service, to manage old-established business. Permanency, living accommodation if required, all particulars, experience, salary required, etc., to Butcher, Curnow & Co., Ltd., 33/35 Tranquil Vale, Blackheath, London, S.E.3.

QUALIFIED Chemist wanted for cover for North-East Scotland town; good remuneration. CDB/315, C. & D. London Office.

WANTED, Chemist exempt from military service for Herbal prescribing practice, for duration. Ability to diagnose and prescribe essential. 574/591, C. & D. London Office.

WANTED. Assistant Dispenser to firm of Doctors in Midlands. Exemption granted. Safe area. 574/588, C. & D. London Office.

£6 10s. weekly with excellent prospects post-war; permanency for capable, energetic, unqualified man under 45. Discharged services or otherwise exempt. London S.W. district. State age, height, details of experience and when at liberty. 574/587, C. & D. London Office.

WHOLESALE

APPPLICATIONS are invited for the position of Head Chemist with an old-established firm of Manufacturers of Veterinary Medicines and Allied Preparations; candidates should have qualifications in pharmacy and analytical chemistry, and experience in the requisite manufacturing processes. Apply, stating age, particulars of training and experience, with copies of testimonials and salary required, to 574/581, C. & D. London Office.

COSTING Clerk (female) required by Manufacturing Chemists. Previous experience preferable but not essential. Reply, stating full details to Matthews & Wilson, Ltd., 6 & 8 Cole Street, London, S.E.1.

CHEMIST required for Laboratory work well-known pharmaceutical house. Applicant should have sound knowledge of pharmaceutical chemical analysis. Apply with full details experience, salary required, to Mr. Howard Braydon Road, London, N.16.

EXPERIENCED full-time Representative required to introduce nationally-advertised proprietary lines to Chemists, London and Pro Good connexion amongst Chemists essential. commission, expenses. Send fullest particulars confidence, stating territories covered. Box Haddons, Salisbury Square, London, E.C.4.

EXPERIENCED Representative. Full-time pointment for Representative to take established territory, London, S. Wales, M East Anglia, calling on chemists; well-known facturing house, C.F. specialties and drugs remuneration, expenses, and commission; stability to military service, and whether of all particulars in full. CDB/316, C. & D. Office.

FIRST-CLASS Representative with commercial Sales ability and long-established connexion with chemists in West and East Riding of Y (whole Yorks considered), is invited to apply vacancy occurring early autumn. Wide range known nationally advertised proprietaries supply and selling freely. C.F. house. Group £600-£800 p.a. Capable of early development £1,000-£1,200 p.a. by energetic fully-experienced man. Permanent post. Salary and commission Higher commission (only) considered if a not carrying more than one other non-con range. Write stating age, present and past posts, to 574/585, C. & D. London Office.

FULL-TIME Representative required for area by Manufacturing Chemists; connections with chemists and hairdressers or expenses and good commission paid. Write J Aldridge's, 1 Whitefriars Street, London, E.

MANAGER or Manageress (exempt) required new Pharmaceutical Proprietary & Preference given to one with knowledge pharmaceutical trade, adaptability and personality, salary between £300-400 p.a., with prospect of directorship or participation to really able Full details (in strictest confidence) to C. & D. London Office.

MANUFACTURERS of ethical pharmaceutical products require the services of medical representatives in various parts of the country, giving full particulars to 574/584, C. & D. Office.

QUALIFIED Assistant, exempt military service, required for Wholesale Department, with particulars of experience, etc., to S Prescription Service, Ltd., Mitre Works, Road, Bow, E.3.

REPRESENTATIVE (whole time) required London Manufacturing Chemists for customers in Hampshire, Western County South Wales. Knowledge of drug trade essential. Apply stating experience, remuneration, 574/566, C. & D. London Office.

STORES Manager required for well-known House in London area; previous experience necessary; permanency with good salary acceptable. Apply 574/580, C. & D. London Office.

WAREHOUSE Manager required for East Wholesale House dealing in sundries, goods and patent medicines, etc. Progressive and unlimited scope. Applicants should state particulars and experience, etc. 575/594, London Office.

WORKS Chemist required for duration London Manufacturing Chemists. Wholesale experience desirable but not essential. Ability in organisation and staff control 574/589, C. & D. London Office.

—£1,000 p.a. rising to £1,500 can be earned by a seasoned Representative with good and well-established connexion among firms in Lancashire. Vacancy occurring on permanent staff of well-known factory house with range of eleven products, which nationally advertised and established "C.F." sellers. Whole-time salary and commission basis, although commission only confirmed man now representing not more than one first-class house. Only men with outstanding and well-known in trade need apply. Write, age, present and past two posts, to 574/586, London Office.

TUITIONS WANTED

18 words or less, 1d. for every additional word.

RETAIL (HOME)

For permanency over military age. London experience, dispensing, counter, windows, phy. abstainer. Harries, 24 Kincraig Cardiff.

ALIFIED. Accustomed to high-class counter, dispensing and N.H.I. Speaking also in German. Discharged from Army after wars, age 31. Requires suitable permanent any part of England, Wales, or Scotland. details. 574/592, C. & D. London Office.

ALIFIED—at present—seeks a Permanent subject to approval of Central Pharmacy Committee. Is Square-trained, ex-25 years old. Apply, Williams, Bristol Stapleton Place, Morriston, Swansea.

WHOLESALE

WANT for Manufacturing Chemists or Pharmaceutical Factory. Ability in production and labour control. Experience, adaptable and serious. Own formulas for big lines. C. & D. London Office.

E Traveller with sound chemist connexion North West counties wishes representation of concern. Commission basis. 575/595, London Office.

Notts, Derbyshire: 22 years' connexion with all Chemists in these counties. Able to call on commission only in October. C. & D. London Office.

FACTORY Chemist, covering Northern and Eire, seeks additional representation in Chemicals, Dressings, Toilets, Chemists' Commission, postages and part travelling. Only reputable firms considered. CDB/314, London Office.

FACTORY Chemist wishes to contact suitable British Firm desiring Representation in Ireland (immediate or post-war); excellent with wholesale, retail, and hospitals. C. & D. London Office.

SENTATIVE, good connexion, desires age; proprietary house, full time, or would agencies if sound; small ground preferred, Hants-Dorset. 574/575, C. & D. London

SENTATIVE, experienced, covering South and Provinces and South Coast, seeks one pharmaceutical or Toilet product. Details in office, 573/531, C. & D. London Office.

LLER seeks established British Manufacturer with high-grade Products in demand in connexion Chemists, Hospitals, etc., South-west Country. 573/530, C. & D. Office.

EDUCATIONAL

OPTICAL TUITION

Diploma Examinations. Particulars: Dublin College of Optics, 2 Lower Elbow Street, Dublin.

APPOINTMENTS

ESSEX COUNTY COUNCIL

DISPENSER (LOCUM TENENS)

Wanted, Locum Tenens for three weeks—4th September to 23rd September—at Black Notley Hospital, near Braintree. Salary £7 7s. per week; non-resident. Apply at once, giving particulars of age, experience, and qualifications, to—

JOHN E. LIGHTBURN,
Clerk of the County Council.
County Hall, Chelmsford.
29th July, 1944.

ESSEX COUNTY COUNCIL

APPOINTMENT OF DISPENSER

Applications are invited for the appointment of ASSISTANT DISPENSER (non-resident) at the Essex County Council Hospital, Black Notley, near Braintree. Women applicants must be over 41 years of age.

Salary £175 per annum plus war bonus (at present: men, 19s. per week; and women, 15s. 6d. per week). The appointment will be subject to the Council's Sick Pay Rules and Regulations (a copy of which will be forwarded on application) and the Standing Orders of the Council. Local Government Superannuation Act, 1937, may apply. Successful applicant will be required to pass a medical examination.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials and marked "Appointment of Dispenser," should be addressed to me and delivered at the County Hall, Chelmsford, not later than 18th August, 1944.

JOHN E. LIGHTBURN,
Clerk of the County Council.
County Hall, Chelmsford.
24th July, 1944.

LONDON COUNTY COUNCIL

ASSISTANT PHARMACIST (part-time) (man or woman) required at Bexley Hospital (for nervous and mental disorders), Bexley, Kent. Must possess Pharmaceutical Society's qualification. Salary £145 a year plus cost-of-living addition. Hours, 21 a week. Married women eligible. Application form from Medical Superintendent.

MIDDLESEX COUNTY COUNCIL

LOCUM PHARMACIST required at NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18, from 25th September to 14th October inclusive. Salary £7 7s. per week. Application, stating age, nationality, qualifications, and experience, enclosing copies of not more than three recent testimonials, to MEDICAL DIRECTOR "L1" of Hospital immediately. Application forms not provided.

C. W. RADCLIFFE,
Middlesex Guildhall, Clerk of the
Westminster, S.W.1. County Council.

PHARMACIST (whole-time) (man or woman) required by London County Council at Tooting Bec Hospital, Tooting Bec Road, S.W.17. Must possess Pharmaceutical Society's qualification. Salary, £300, rising to £350 a year, plus cost-of-living addition. Pensionable. For application form returnable by August 21, 1944, send stamped addressed foolscap envelope to the Medical Officer of Health (B), Mental Health Service, West Park Hospital, Epsom, Surrey.

WANTED*7/6 for 36 words or less, 2d. for every additional word.*

A FEW pounds of Extract Viburni Liq., B.P.C. Please send price to 574/579, C. & D. London Office.

A SPIRIN Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

A UTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., 40 Bavaria Road, Holloway, N.19.

B OTTLES Wanted. No. 4 and No. 7 Tablet Bottles and Caps. Samples with quantities available to: Buyer, International Chemical Co., Ltd., Braydon Road, London, N.16.

L ACTOSE. Wanted any quantity from 7 lb. and upwards. State price and quantity to 574/560, C. & D. London Office.

P OST-WAR Business. Small Firm requires regular monthly deliveries 100 gross assorted Bottles for well-established medical Proprietary; 2½ oz., 5-oz. Tobins; 8-oz. Panels, s/cap preferred; commencing immediately, with probable increase in post-war period. Manufacturers and Agents able to cope now, please write 574/576, C. & D. London Office.

R UBINAT Water urgently needed for special patient. Will you kindly offer any you have to C. Cook, 9 Elmcroft Avenue, N.W.11.

S MALL Round or Square Tin or Card Boxes wanted urgently. Fair price paid. Inman, 17 Montagu Drive, Leeds, 8.

S OAP Plodder. 10-in. to 12-in. Soap Plodder wanted at once; very good price paid. Shavex Zee-Kol Co., Ltd., 40 Bavaria Road, Upper Holloway, London, N.19.

W ANTED, Microscopes, all models, particularly good outfits up to £300 or £400. High prices, immediate cash. Wallace Heaton, Ltd., 127 New Bond Street, W.1.

W ANTED, small Malt Extract Manufacturing Plant complete. New or secondhand. Please send full particulars to Box D.J., No. 581, Erwoods, Ltd., 30 Bouverie Street, London, E.C.4.

W ANTED—Genuine Venice Turpentine, any quantity; also Peppermint Oil, from 1 lb. upwards, good price offered. Write Henshaw, M.P.S. 97 Clearmount Road, Weymouth.

W E urgently require supplies of bottles, medicals, oval-fronted panels, ribbed back ovals, 4-oz. and 8-oz. White Flint, preferably fitted with screwneck. A. Ibbetson & Co., Ibcu Works, Stevenage, Herts.

BUSINESSES WANTED*7/7 for 40 words or less, 2d. for every additional word.*

H ILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses in London and Provinces or a Group Concern would be seriously considered. Owners contemplating Sale or their Solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, London, W.1.

P OST-WAR planning. Pharmacist wishes to contact Pharmacist in Southern England including the London area contemplating retirement or disposal of business at the end of hostilities with Germany. Pre-war turnover £150 per week or more. 575/597, C. & D. London Office.

W ANTED. Herbal and Drug Stores. Must have good turnover and living accommodation. Must be in Blackpool district only. Send particulars to Hodkinson's, Ltd., 39 Railway Road, Leigh, Lancs.

AGENCIES*7/6 for 36 words or less, 2d. for every additional word.*

A RELIABLE Parsee Firm of nearly 40 years' standing in Bombay, and represents British firms and manufacturers, desires Agencies in patent medicines, drugs, chemical toilet requisites, provisions, paper, cutlery. Messrs. Franjee & Son, P.O. Box 542, 2 Building, Elphinstone Circle, Fort, Bombay.

D ISTRIBUTOR wanted. Manufacturer of launch range new textile Cosmetic immediately regulations permit, contemplate point of Sole Distributor. Would be to negotiate now with suitable organisation in first instance, to CDB/317, C. & D. London Office.

E IRE. Well-established Selling Agency Storage and Manufacturing facilities the whole of Eire, seeking one or two agencies on commission. Immediate or post-war. Box 553, c/o Erwoods, Ltd., 30 Bouverie London, E.C.4.

M ANUFACTURER'S Agent. Three Territories each with long and personal connexion chemists in London and Home Counties first-class lines on commission or buying Territories regularly and thoroughly work cars. Only reputable firms need conn. 574/583, C. & D. London Office.

N ORTH of England Organisation with travellers covering Yorkshire, Northumbria, Durham, Westmorland, and Cumberland, valuable connexion amongst chemists, co-operative societies, departmental stores, multiple desires contact "Houses" of repute for in and post-war representation. 574/578, C. & D. London Office.

S COTTISH Firm (established), desirous of securing a good Agency; live sales organisation available for concentration on sound lines with war prospects; excellent connexion amongst Stores, etc. CDB/318, C. & D. London Office.

W HOLESale agent in Lancashire area additional supplies, toilet and chemist. Well introduced to all Wholesale Houses. Reputable lines only. 575/596, C. & D. London Office.

MISCELLANEOUS SALE*12/6 for 60 words or less, 1/- each additional 10 words.*

A BRACOL G.M.S. 1 cwt. for disposal in or smaller parcels, minimum 7 lb. invited. Wilson's, 102 Carr House Road, D.

P UMICE Stone (imitation) in blocks 2" x 4" approximately. Each block labelled with weight; purchase tax free; limited supply offered; 3-doz. lots 13s. 6d. lot; 12-doz. lot, both carriage paid. M. J. Fecher, Ltd., Street, Slough, Bucks.

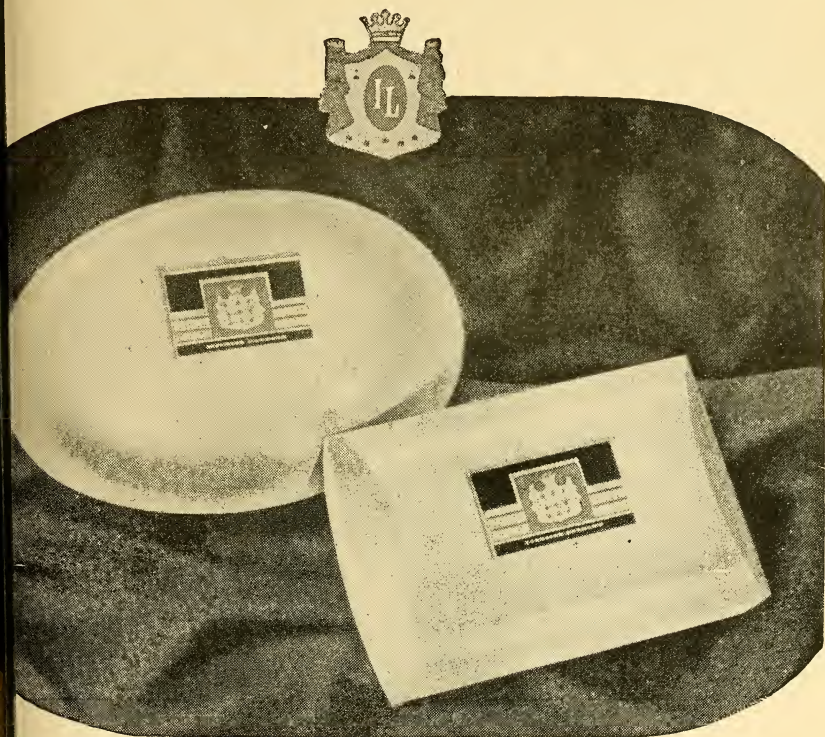
S URPLUS stock. 100 gross 4-oz. squat flasks, with blue enamel caps. 8 cwt. cere offered. Harman Dietetic Laboratories, 109 Cricklewood Broadway, London, N.W.10.

21 LB. each. Natural Chinese Mentha Aniseed, B.P. Oil of Peppermint (Balsam of Tolu. Offers required for all Hasteads (Chemists), Ltd., Hincley.

BUSINESSES FOR DISPOSITION*7/6 for 40 words or less, 2d. for every additional word.*

C ENTRAL Glasgow. Very busy and profitable in centre of town; light dispensing and Kodak; exceptional opportunity; good business. 574/577, C. & D. London Office.

E XCEPTIONAL opportunity (Wimbledon) established Chemist's Business (temporarily closed during war); good freehold Shop with and excellent living accommodation; for Sale possession. Apply, Farebrother, Ellis & Co., Street, E.C.4.



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The Aristocrat of Toilet Soaps

The superb quality of Imperial Leather Toilet Soap has created a demand amongst discriminating people considerably in excess of present supply facilities. We feel sure the trade will appreciate that in the circumstances delays in meeting orders are unavoidable, but we assure them that every effort is being and will be made to secure equitable distribution.

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A CENTURY OF EXPERIENCE